

VG123

cop. 1

SEP 12 '58

.U47
v.3

REF S1 2

THE HISTORY OF THE MEDICAL DEPARTMENT OF THE UNITED STATES NAVY IN WORLD WAR II

THE STATISTICS OF DISEASES AND INJURIES

U.S. Bureau of Medicine and Surgery



Navmed P-1318
Volume 3

THE EDWARD RHODES STITT LIBRARY
U. S. Naval Medical School
National Naval Medical Center
Bethesda, Md.

D

807

U_H

1953

V.3

D

807

U_H

1953

V.3

THE HISTORY OF THE MEDICAL DEPARTMENT

OF THE

UNITED STATES NAVY IN WORLD WAR II

THE STATISTICS OF DISEASES AND INJURIES

Prepared by
The Division of Medical Statistics
Bureau of Medicine and Surgery
Navy Department



THE EDWARD RHODES STITT LIBRARY
U. S. Naval Medical School
National Naval Medical Center
Bethesda, Md.

Navmed P-1318
Volume 3

FOREWORD

The Surgeon General of the Navy

One of the most important tools in research is statistical information and many of the greatest advances in medicine and science have resulted from the use of carefully collected and compiled statistics. The Medical Departments of military services, not only in this country but in several European countries, were among the earliest to systematically record and publish figures regarding the incidence of various diseases and injuries, mortality rates, and vaccinations. As the value of this information became better appreciated, the regular publications of statistics dealing with public health became a routine practice.

No medical history of World War II would be complete without the statistics dealing with diseases and injuries in the naval forces during that war. It is to this volume that those engaged in research and planning can turn for the facts that they may need in their work.

Of particular interest are the average sick days per case by diagnostic class; the average daily patient census; total hospital days; the table showing the naval hospitals in operation during World War II; the incidence rates for such important groups as tropical, venereal, and mental diseases, and statistics regarding amputations. In the section devoted to combat casualties a comparison between wounded who died in the Navy and Marine Corps in World War I and World War II shows that in the First World War an average of 11.09 percent of those wounded in action subsequently died of their wounds, while in World War II the figure was 2.92 percent. In other words, in every 100 wounded about 8 lives more were saved in World War II than in World War I. The two main reasons for this great saving of life were the advances in medical science in the nearly 25 years between the two wars, and the medical administrative measures that permitted first aid to be brought directly to the wounded men in the field, and then rapidly transporting them to medical installations where future definitive treatment was instituted.

The preparation of this volume has been a work of no mean magnitude. The task of assembling, correlating, and interpreting the records of casualties, diseases, and injuries involving naval forces of over 3½ million persons employed in all parts of the world, was one that required a great amount of time and patience. The burden of this work fell upon the Division of Medical Statistics, Bureau of Medicine and Surgery, and the Director of this Division, Captain Robert L. Ware, Medical Corps, United States Navy. The most conscientious care has been given to the work of assembling these data, and all figures carefully checked and rechecked to make them as nearly accurate as possible. It is believed that those who turn to this volume for statistical information can do so with the feeling that it will supply them with as authentic information on the subject as can be obtained.



C. A. SWANSON

*Rear Admiral, Medical Corps,
Surgeon General of the United States Navy.*

Table of Contents

	Page
Foreword.....	ii
CHAPTER I. Introduction.....	1
II. Diseases and noncombat injuries.....	5
Definition of terms.....	5
Noneffectiveness and hospitalization.....	6
Permanent manpower losses.....	17
Detailed discussion of diseases and noncombat injuries.....	28
III. Casualties due to enemy action.....	75
Introduction and definition of terms.....	75
Comparison with previous wars.....	76
Detailed consideration of casualty data.....	78
IV. Detailed statistical tables.....	87
Diseases and noncombat injuries.....	87
Casualties due to enemy action.....	159
Index.....	180

Text Tables

CHAPTER I

Table	Page
Death rates, World Wars I and II.....	2

CHAPTER II

1. Noneffective rates by diagnostic class, Navy and Marine Corps: 1942-45.....	6
2. Average sick days per case by diagnostic class, Navy and Marine Corps: 1942-45.....	9
3. Average number of sick days, Navy and Marine Corps: 1942-45.....	9
4. Admission rates to sick list and to hospitals, Navy and Marine Corps: 1942-45.....	9
5. Average daily hospital patient census, active duty Navy and Marine Corps and supernumeraries: 1942-45.....	9
6. Average daily patient census and total hospital sick days, hospital ships: 1942-45.....	9
7. Hospital admissions and sick days, Navy and Marine Corps: 1942-45.....	10
8. Average hospital patient census by location, Navy and Marine Corps: 1942-45.....	13
9. Naval hospitals in operation during World War II.....	14
10. Rates of invaliding from the service by diagnostic class, Navy and Marine Corps: 1942-45.....	17
11. Fatality rates for selected diagnoses, Navy and Marine Corps: World Wars I and II.....	21
12. Deaths (noncombat) by diagnostic class, Navy and Marine Corps: 1942-45 combined.....	22
13. Number of deaths (noncombat) and specific rates in each age group, Navy and Marine Corps: 1942-45 combined...	27
14. Deaths (noncombat), Navy and Marine Corps: 1942-45.....	27
15. Incidence, sick days, deaths, and invalidings from service for diseases of blood, Navy and Marine Corps: 1942-45.....	29
16. Incidence of diseases of blood by age group and sex, Navy and Marine Corps: 1942-45.....	30
17. Incidence, sick days, and noneffective rates for appendicitis, acute, Navy and Marine Corps: 1942-45.....	32
18. Readmissions for peptic ulcer by age groups, Navy and Marine Corps: 1942-45.....	33
19. Incidence of diseases by ductless glands and spleen by age group, Navy and Marine Corps: 1942-45 combined.....	37
20. Bacillary dysentery cases and attack rates, by ship type and selected ships, July through December 1945.....	47
21. Incidence of principal tropical diseases, Navy and Marine Corps: 1942-45.....	49
22. Complications of gonococcus infection, urethra, Navy and Marine Corps: 1942-45.....	52
23. Distribution of rheumatic fever, incidence by age, Navy and Marine Corps: 1942-45.....	53
24. Incidence of acute infectious jaundice, by age group, 1942-45. Navy and Marine Corps.....	54
25. Distribution of cases of acute infectious jaundice by stay on sick list, Navy and Marine Corps: 1942-45.....	54
26. Incidence rates for diseases of the mind, by race and age group, Navy and Marine Corps: 1942-45.....	55
27. Incidence rates for chronic arthritis, by age groups Navy and Marine Corps: 1942-45.....	57
28. Hernia, inguinal, sick days, and noneffective rates, Navy and Marine Corps: 1942-45.....	61
29. Incidence of hernia, inguinal, direct and indirect, Navy and Marine Corps: 1942-45.....	61
30. Deaths and invalidings for hernia, inguinal, direct and indirect, Navy and Marine Corps: 1942-45.....	62
31. Amputees, World War II, by place of original admission.....	63
32. Amputees, World War II, by type of amputation.....	65
33. Amputees, World War II, by cause of the violence.....	66
34. Incidence and rates for selected benign tumors by age group, Navy and Marine Corps: 1942-45.....	69
35. Incidence and rates for selected malignant tumors by age group, Navy and Marine Corps: 1942-45.....	71

CHAPTER III

36. Navy and Marine Corps casualties in the wars of the United States.....	76
37. Casualties due to enemy action who died, Navy and Marine Corps, World Wars I and II.....	78
38. Casualties due to enemy action percent of wounded who died subsequently, Navy and Marine Corps, World Wars I and II.....	78
39. Casualties due to enemy action, by disposition, Navy and Marine Corps, World War II.....	79
40. Casualties due to enemy action, by average age and average length of service, Navy and Marine Corps, World War II.....	81
41. Casualties due to enemy action, by disposition and sick days, Navy and Marine Corps, World War II.....	83
42. Casualties due to enemy action, Pacific area of operations, Navy and Marine Corps, World War II.....	84
43. Casualties due to enemy action, by selected actions, Navy and Marine Corps, World War II.....	84

Table	Page
44. Casualties due to enemy action, Pearl Harbor, Navy and Marine Corps, 7 December 1941	84
45. Casualties due to enemy action, by disposition, Navy personnel aboard ships only, Battle of Okinawa	85
46. Casualties due to enemy action, by disposition, Marine Corps, Battle of Okinawa	85
47. Casualties due to enemy action, by disposition, Navy and Marine Corps, World War II, submarines	85
48. Casualties due to enemy action, by race, Navy and Marine Corps, World War II	86

Appendix Tables

Appendix table	Page
1. Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps: 1942-45	87
2. Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45	102
3. Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45	115
4. Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps female personnel only: 1943-45	128
5a. Summary of deaths, male and female personnel, Navy and Marine Corps: 1942-45	139
5b. Deaths for men by age group, Navy and Marine Corps: 1942-45	140
5c. Deaths for women by age group, Navy and Marine Corps: 1942-45	154
5d. Deaths, abridged table of selected diagnoses, with secondary causes of death, Navy and Marine Corps: 1942-45	157
6. Dental operations and treatments, Navy and Marine Corps: 1942-45	158
7. Casualties due to enemy action by year and disposition: 7 December 1941 to 31 December 1946	159
8. Casualties due to enemy action, incidence and sick days per case by method of disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946	160
9. Casualties due to enemy action, percentage distribution of cases and sick days by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946	163
10. Casualties due to enemy action by anatomical region, Navy and Marine Corps: 7 December 1941 to 31 December 1946	163
11. Casualties due to enemy action, major complications or sequelae by primary diagnoses, Navy and Marine Corps: 7 December 1941 to 31 December 1946	164
12. Casualties due to enemy action, major complications or sequelae by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946	167
13. Casualties due to enemy action, primary diagnoses for principal complicating conditions, Navy and Marine Corps: 7 December 1941 to 31 December 1946	168
14. Casualties due to enemy action, place of action and type of service by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946	170
15. Casualties due to enemy action, type of ship by disposition, Navy and Marine Corps aboard ship: 7 December 1941 to 31 December 1946	174
16. Casualties due to enemy action, aviation personnel by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946	175
17. Casualties due to enemy action, length of service, officer and enlisted, Navy and Marine Corps: 7 December 1941 to 31 December 1946	176
18. Casualties due to enemy action, by length of service and year, Navy and Marine Corps: 7 December 1941 to 31 December 1946	176
19. Casualties due to enemy action, distribution of sick days by year, Navy and Marine Corps: 7 December 1941 to 31 December 1946	177
20. Casualties due to enemy action, officers by rank, Navy and Marine Corps: 7 December 1941 to 31 December 1946	178
21. Casualties due to enemy action, deaths by age group and month and year of casualty, Navy and Marine Corps: 7 December 1941 through 31 December 1946	178

List of Charts

Figure

	Page
1. Noneffectiveness, Navy and Marine Corps, 1942-45.	7
2. Noneffectiveness, Navy and Marine Corps, 1942-45 (diagnostic classes with highest noneffectiveness).	8
3. Sick days, Navy and Marine Corps, 1942-45.	10
4. Noneffective rates by type of service, Navy and Marine Corps, 1942-45.	11
5. Admissions to sick list and to hospitals, Navy and Marine Corps, 1942-45.	12
6. Hospital sick days, Navy and Marine Corps, 1942-45.	12
7. Average hospital patient census, all naval hospitals, 1942-45.	13
8. Naval hospitals—Continental U. S., 1942-45.	15
9. Noncontinental and fleet hospitals and hospital ships, 1942-45.	16
10. Invalidings from service, Navy and Marine Corps, 1942-45.	18
11. Invalidings from service, Navy and Marine Corps, 1942-45 (diseases, injuries, and poisonings).	19
12. Invalidings from service, Navy and Marine Corps, 1942-45 (rates).	19
13. Invalidings from service, Navy and Marine Corps, 1942-45 (EPTE cases).	20
14. Invalidings from service, Navy and Marine Corps, 1942-45 (diseases of the mind).	20
15. Deaths—World War II and World War I, Navy and Marine Corps.	23
16. Fatality rates—selected diagnoses, Navy and Marine Corps (World War II and World War I).	24
17. Mortality—diseases and noncombat injuries, 1942-45 (type of service).	25
18. Mortality—noncombat injuries only, 1942-45 (type of service).	25
19. Mortality—diseases and noncombat injuries, Navy and Marine Corps, 1942-45 (age group).	26
20. Incidence of gastroenteritis, Navy and Marine Corps, 1942-45.	31
21. Incidence of peptic ulcer, Navy and Marine Corps, 1942-45.	33
22. Incidence and deaths—peritonitis, acute, Navy and Marine Corps, 1942-45.	34
23. Diseases of ductless glands and spleen, Navy and Marine Corps, 1942-45 (by diagnosis).	35
24. Diseases of ductless glands and spleen, Navy and Marine Corps, 1942-45 (by age group).	36
25. Diseases of the eye, Navy and Marine Corps, 1942-45 (average sick days per case for most common eye diseases).	38
26. Diseases of the eye, Navy and Marine Corps, 1942-45 (diagnoses with highest percent of invalidings from service).	39
27. Incidence of mumps, Navy and Marine Corps, 1942-45.	41
28. Incidence of measles, Navy and Marine Corps, 1942-45.	42
29. Incidence of pneumonia, by type, Navy and Marine Corps, 1942-45.	43
30. Incidence and fatalities of pneumonia, Navy and Marine Corps, 1942-45.	44
31. Bacillary dysentery aboard ships in the Pacific, Navy and Marine Corps, Jul-Dec 1945.	46
32. Incidence of diseases of the mind, Navy and Marine Corps, 1942-45.	56
33. Invalidings from service—chronic arthritis, Navy and Marine Corps, 1942-45.	58
34. Incidence of asthma, Navy and Marine Corps, 1942-45.	59
35. Amputees, Navy and Marine Corps, 1942-45.	64
36. Amputees, Navy and Marine Corps, 1942-45 (percent distribution of amputees returned to duty, by type of amputation).	67
37. Amputees, Navy and Marine Corps, 1942-45 (fatality rates by type of amputation).	68
38. Distribution of selected malignant tumors, Navy and Marine Corps, 1942-45.	70
39. Distribution of casualties by war, Navy and Marine Corps.	77
40. Distribution of casualties by disposition, Navy and Marine Corps—World War II.	79
41. Casualties by age group, Navy and Marine Corps—World War II.	80
42. Casualties by length of service, Navy and Marine Corps—World War II.	81
43. Mean and median ages of casualties, Navy and Marine Corps—World War II.	82
44. Distribution of casualties by year, Navy and Marine Corps—World War II.	82
45. Distribution of casualties by area, Navy and Marine Corps—World War II.	83

Chapter I

Introduction

From the inception of the Navy and Marine Corps to the beginning of World War II, naval personnel had occasion to carry out their duties in nearly every part of the world. The varied assignments and operations completed in arctic and tropical areas and on land as well as the sea helped to build a rich background of experience relating to environmental and health conditions. These experiences provided a practical as well as a theoretical knowledge of indigenous health hazards in a wide range of localities throughout the world.

The world-wide scope of naval operations during the Second World War called into use the information on health and sanitation accumulated from the Navy's previous experience. With respect to environmental influences on the health of personnel, this war was in a sense a recapitulation of the Navy's history, since nearly all types of climate and geographic situation encountered in earlier days were paralleled during the war. There was, however, an essential difference in the effect of these varied environments on health due to the much larger number of persons involved during this war. Where personnel may have been measured in tens and hundreds before, they were numbered in thousands and tens of thousands during this war. A sanitary hazard which presented no great problem when only a small group of men was concerned could become a serious menace when thousands of persons were placed in the same situation. The vast number of personnel involved required a continuing evaluation of known health hazards and the development of additional knowledge pertaining to them.

Modern warfare presented many complicated and technical problems and these problems were further intensified by the global distribution of millions of naval personnel. Furthermore, in addition to the serious consideration that had to be

given to combat casualties the nature of both combat training and combat operations greatly influenced factors that affected disease and noncombat injuries.

The Second World War thus presented the Navy Medical Department with a task unequalled in its history. Previous experience, while broad, was found to be insufficient to provide the solution to all health problems encountered in specific situations throughout the world. On the other hand, advances in medical science had been proceeding at a rapid rate prior to the war and knowledge of new methods for prevention and treatment of disease constituted an important aid in dealing with these specific problems as they arose. These advances continued and were accelerated during the war, adding immensely to the resources of the medical department. The implementation of these resources resulted in the most favorable state of health achieved by the Navy in any war in which it has ever engaged.

A review of the statistics in this volume will permit an appraisal of the impact of diseases and injuries on the Navy's manpower during this war. It will be seen that the effects of disease and noncombat injury were less disabling to the Navy's over-all strength than in any previous war, but that combat injuries on the other hand produced a greater drain on manpower than had been previously experienced. The Navy suffered more battle casualties in World War II than in all other wars combined. The ratio of battle casualties to the strength of the Navy was likewise higher in World War II, but the remarkable improvement in disease experience outweighed the increase in battle casualties.

Among the factors influencing the health of the Navy in time of war, those associated with mobilization take an important place. The rapid expan-

sion in personnel strength involves the concentration of large numbers of persons in a new and usually crowded environment, under a new regime, with new challenges to the person's resistance to disease. The scale of the mobilization for World War II was of such magnitude as to accentuate problems arising from these factors.

Over 4½ million men and women served on active duty in the Navy and Marine Corps for some part of the war period. From less than half a million strength at the close of 1941, the Navy progressed to its peak strength of nearly 4 million in the summer of 1945, just prior to the Japanese surrender. The influences on health, which were exerted by factors associated with mobilization, were most pronounced in the first half of the war period, but persisted in a diminishing degree throughout the period.

The average strength of the Navy and Marine Corps for the 4-year period was just under 2½ million, increasing from an average strength of 834,639 in 1942 to 3,673,855 in 1945. These figures may be compared with the average strength during World War I, 245,580 in 1917 and 503,792 in 1918, which represented the largest average strength reached by the Navy in any year prior to World War II.

During the Second World War 144,206 cases of injury due to enemy action were reported. Nearly all of these occurred between 7 December 1941 when Pearl Harbor was attacked, and 1 September 1945, when Japan surrendered. Except for 2,776 combat injury cases in December 1941 and 67 cases in 1946, all of these injuries were incurred in the period 1942-45. During the same 4 calendar years 5,175,928 new cases of disease and noncombat injuries were reported. Thus, there were about 36 new cases of disease or noncombat injury to each case of combat injury. The average annual incidence rate per 1,000 strength was 519.3 for diseases and noncombat injuries and 14.4 for battle casualties. The combined incidence rate for all causes including enemy action was 533.7 per 1,000, which may be compared with the corresponding rate of 697.2 for the First World War.

The average incidence rate for the decade preceding 1941 was 527.1 per 1,000 strength per year, while the average rate for the war years was 519.3. It is thus apparent that the incidence of morbidity was not only decidedly lower than in the First

World War but actually more favorable than in the prewar decade.

While morbidity rates reflect an important facet of the Navy's health, they do not by any means present the entire picture. The most outstanding feature of the Navy's health in World War II was the low death rate from causes other than enemy action. In previous wars, deaths from disease had always exceeded those due to enemy action, but in this war the reverse was true. In World War I there were roughly three noncombat deaths for each combat death; in World War II the ratio was reversed and two men died in combat for each one who died of disease and noncombat injury. Part of the explanation of this change lies in the fact that the death rate for combat injuries was higher in the second war, but the greater part of the difference stems from the reduced death rate for disease. Despite the increase in death rate for combat injuries, the total rate for combat injuries, diseases, and noncombat injuries in the second war was lower than the rate for disease deaths alone in World War I. It is apparent that the hazard of death from enemy action was greater in World War II than in previous wars; but the reduction in the hazard of death from disease was sufficient to produce a net improvement in the over-all death rate.

Death rates, World Wars I and II
[Average annual rate per 1,000 strength]

	Total	Result of enemy action	Disease	Non- combat injury
World War II.....	8.4	5.6	0.5	2.2
World War I.....	14.6	3.9	8.8	2.0

"Invalided from the service" connotes the separation of a person from active service because of physical disability. In the period 1942-45, 317,769 persons were invalided from the service as a result of disease or noncombat injury. This is equivalent to an average annual rate of 31.9 per 1,000 strength, which is higher than the rate experienced in any year since the period immediately following the First World War. In addition there were 14,710 persons who were invalided from the service as a result of injuries due to enemy action, although not all of these were separated during the 1942-45 period. The comparative severity of combat injuries, as related to noncombat injuries and dis-

ease, is illustrated by the ratio of the number of patients invalidated from the service to the number returned to duty. For combat casualties the ratio was 1 invalidated to 5 returned to duty, while for non-combat injuries and diseases the ratio was 1 patient invalidated to 15 returned to duty.

Diseases and noncombat injuries were responsible for the accumulation of over 106 million sick days in 1942-45. This is equivalent to maintaining an average of 2.9 percent of the active duty strength on the sick list throughout the 4-year period. It represents an average of 20.6 days on the sick list per new case incidence. The combat casualties accumulated an additional 9 million sick days, including days of treatment after 1945, which yield an average of 63 days per case incidence. Here again the relatively more serious nature of the average combat injury is apparent.

Approximately one-third of the patients admitted to the sick list during the war were admitted to hospitals or hospital ships for a part or all of their stay on the sick list. However, the hospital sick days accumulated by these patients amounted to about two-thirds of the total sick days. This makes it evident that the average hospital patient remained on the sick list roughly four times as long as the average patient not admitted to hospital. The size of the hospital census grew as the Navy expanded, reaching the peak load of 110,674 active duty patients in August 1945. There was a progressive increase in the proportion of the total strength undergoing hospital care. The average hospital census in 1942 comprised 1.59 percent of

the strength, but in 1945 the ratio averaged 2.47 percent, indicating the development of a backlog of cases requiring prolonged treatment.

In this chapter, diseases, noncombat injuries, and injuries resulting from enemy action have been considered together. In the following sections the presentation diverges, so that a detailed discussion limited to diseases and noncombat injuries is presented separately and is followed by a discussion which is confined to the various aspects of the data on combat casualties.

The data on battle casualties cover all persons reported as injured due to enemy action from 7 December 1941 when Pearl Harbor was attacked through 31 December 1946 when the cessation of hostilities was proclaimed by the President of the United States. The experience of each such patient is included from the date of injury to his disposition from the sick list by return to duty, separation from the service, or death, even though the ultimate disposition may have occurred many months after the close of hostilities. Computations of sick days for battle casualties do not therefore refer to sick days incurred in a given calendar year. With regard to diseases and nonbattle injuries, however, the customary procedure of presenting the data on the basis of calendar years has been followed combining the experience of 1942-45 and showing in the principal tables the average annual rates for the 4-year period.

ROBERT L. WARE.

*Captain, Medical Corps, United States Navy,
Chief of Division of Medical Statistics.*

Chapter II

Diseases and Noncombat Injuries

Definition of Terms

In analyzing morbidity statistics in the Navy, one of the principal factors which must be taken into account is the method of admission or "taking up" of the individual case. Since admission rates and incidence rates are based upon various combinations of these methods of admission, they must be thoroughly understood before the rates can be properly interpreted.

The methods of admission and their symbols used in the tables in this section and in appendix tables 1-6 are:

A (new admission), which denotes that the patient was taken up on the sick list from a duty status with a diagnosis which was not causally related to any diagnosis for which previously admitted or was a separate, distinct, and new occurrence of a previous disability.

EPTE (existed prior to entry), which signifies that the patient was taken up under the same circumstances as described for "A" but that the diagnosed condition was considered to have existed in the patient prior to his entry into the naval service.

ACD (admitted contributory disability), denoting a disability considered to be a complication or sequela of another diagnosis for which the patient had been previously admitted to the sick list.

AD (additional diagnosis), which indicates an additional concurrent or intercurrent disability in a patient who is on the sick list because of some other disability.

RA (readmission), which indicates that the person was admitted to the sick list with a disability which was a definite continuation, relapse, or recurrence of a condition for which he had previously been taken up on the sick list and returned to duty.

Along with the methods of admission it is well to consider also the methods by which a case may be disposed of from the sick list and the abbrevia-

tions used for these methods of disposition throughout this section. The dispositions used in appendix tables 1-6 are:

D (duty), which indicates that the patient was returned to duty.

DD (died), which signifies that the patient died.

IS (invalided from the service), which denotes that the patient was invalided from the service upon the approved recommendation of a board of medical survey or was placed on the retired list because of physical disability.

"Other," which includes those patients whose diagnosis was changed and who were continued on the sick list under another diagnosis, those still on the sick list at the end of the period, and those who deserted while on the sick list.

There are two principal types of rates used in this presentation, the admission rate and the incidence rate. The admission rate measures the number of people who come on to the sick list from a duty status regardless of whether or not they have been previously admitted for the same diagnosis. This rate is computed, therefore, from the sum of those cases taken up as A (new admission), EPTE (existed prior to entry) and RA (readmission). The incidence rate on the other hand measures the rate of new morbidity for a disability and is based upon the total number of new diagnoses of the disease or injury reported during the period. It includes as well as A's (new admissions) and EPTE's (those cases which had existed prior to entry into the naval service being taken up on the sick list for the first time in the Navy), also ACD's (complications or sequelae of previously taken up conditions) and AD's (disabilities reported as concurrent or intercurrent to a disability for which the person is already on the sick list). It excludes all cases which were relapses or continuations of the

same disability for which the person had already been admitted while in the Navy.

The arrangement of titles and classes in the tables follows the Diagnostic Nomenclature of the Medical Department of the Navy, 1945 revision. Data for the first 3 years of World War II have been fitted into the 1945 nomenclature, only minor adjustments being necessary to take care of the shift of a few diagnoses from one class to another. In the Navy nomenclature, in general, the epidemiological consideration has been a primary one in the grouping of titles. However, there have been numerous departures from this general grouping. Other diagnoses have been grouped anatomically, on a regional or systemic basis, while injuries have been classed as one group and poisonings as another.

Noneffectiveness and Hospitalization

One of the most important measures of the effect of morbidity in terms of loss of manpower is the noneffective rate. Deaths and invalidings from the service are only partial indications of the loss of manpower—it is the noneffective rate which indicates loss of time due to sickness. The noneffective rate represents the average proportion of the strength constantly on the sick list. The noneffective rate per 1,000, for example, represents the average number out of each 1,000 constantly on the sick list during the period or the number of sick days per 1,000 man-days. This rate is computed as follows:

$$\frac{\text{Number of sick days during the period}}{\text{Number of man-days during the period}} \times 1,000$$

During World War II an average of 29 out of every 1,000 available man-days were lost due to illness requiring admission to the sick list. As may be noted in table 1, the noneffective rate varied somewhat from year to year during the war. The lowest rate, 22.6 per 1,000, occurred in 1942 and the highest in 1945, 30.8 per 1,000. This increase by 1945 is understandable in view of the fact that long-term cases due to injuries were more prevalent in the latter part of the war. This is further borne out by examination of the individual noneffective rates for the various classes in the nomenclature. The noneffective rate for the class of miscellaneous diseases (Class XXI) in which is located various diagnoses under which sequelae of injuries were

The following symbols have been used in the tables:

A leader has been used where the number of admissions, dispositions, deaths, or other figure in a certain category is zero. Thus, if there were no cases of a certain disability occurring during the period reported on, this would have been indicated in the table by a leader.

Where the frequency is zero and a rate is to be computed, such rate is indicated by a zero. Thus, if there were no cases of a certain disability occurring, the rate in a rate table would be indicated by zero.

When a rate has been computed and the frequency was not zero but so small that the rate was zero in all the decimals kept in the computations it is indicated as 0.0.

carried rose from 1.0 per 1,000 in 1942 to 4.7 per 1,000 in 1945. On the other hand, this pattern for certain other classes was reversed. For example, the noneffective rate for communicable diseases transmissible by insects and arthropods dropped from a peak of 3.2 in 1943 to 0.4 in 1945, when personnel had shifted northward in the Pacific to malaria-free areas.

TABLE 1.—Noneffective rates by diagnostic class, Navy and Marine Corps: 1942-45

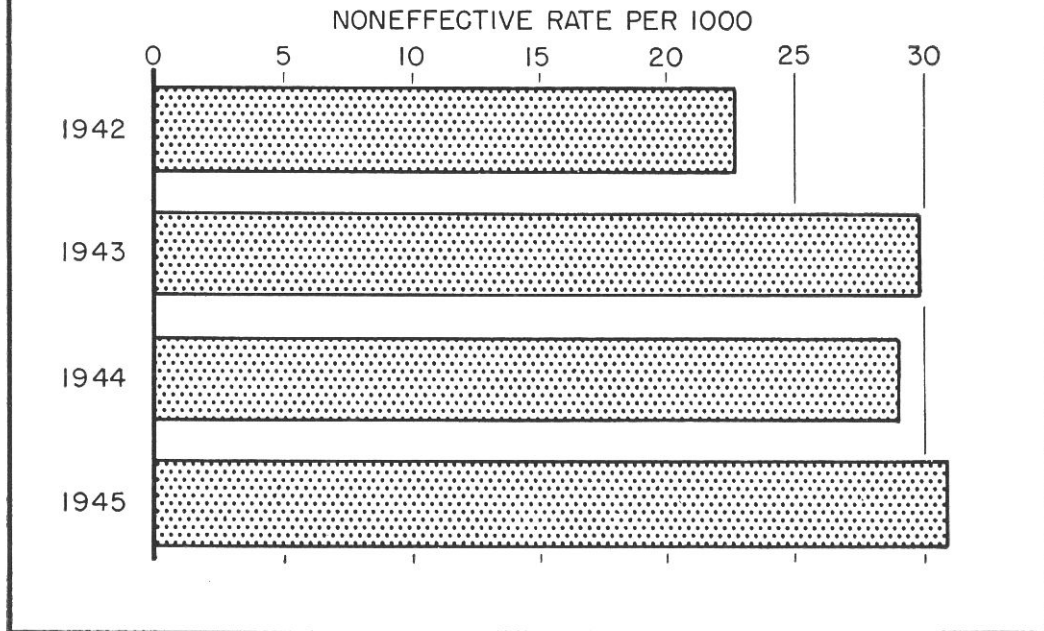
Diagnostic class	Noneffective rate per 1,000				
	Total	1942	1943	1944	1945
Total, all causes	29.3	22.6	29.8	29.0	30.8
Total, diseases	26.1	19.8	26.7	25.8	27.4
Blood	0.1	0.1	0.1	0.1	0.1
Circulatory system	0.8	0.7	0.7	0.8	0.8
Digestive system	2.1	2.2	2.2	2.2	2.0
Ductless glands	0.1	0.1	0.1	0.1	0.1
Ear, nose, throat	1.2	1.0	1.3	1.2	1.3
Eye and adnexa	0.4	0.3	0.3	0.4	0.4
Genito-urinary (nonven.)	0.8	0.9	1.0	0.9	0.8
Oral, nasal discharges	3.5	3.8	4.5	3.2	3.1
Intestinal discharges	0.0	0.0	0.0	0.0	0.1
Insects, arthropods	1.2	0.4	3.2	1.2	0.4
Tuberculosis	0.4	0.4	0.3	0.2	0.6
Venereal diseases	0.9	1.3	1.5	0.8	0.5
Other infective types	1.6	0.8	1.4	1.8	1.7
Lymphatic system	0.1	0.1	0.2	0.1	0.1
Mind	3.2	1.8	2.3	3.3	3.7
Motor system	1.9	1.1	1.6	2.1	2.2
Nervous system	0.7	0.5	0.6	0.7	0.8
Respiratory system	0.8	0.6	0.7	0.8	0.9
Skin, hair, nails	0.7	0.4	0.5	0.7	0.7
Herniae	0.8	1.1	0.8	0.7	0.7
Miscellaneous	3.4	1.0	2.4	3.3	4.7
Parasitic	0.5	0.3	0.4	0.5	0.6
Tumors	0.6	0.6	0.6	0.6	0.7
Female conditions	0.0	0.0	0.0	0.0	0.0
Dental conditions	0.2	0.2	0.2	0.2	0.2
Injuries	3.2	2.9	3.1	3.2	3.4
Poisonings	0.0	0.0	0.0	0.0	0.0

Figure 1.

NONEFFECTIVENESS

NAVY AND MARINE CORPS 1942 - 1945

By 1945 more than 30 out of every 1000 individuals were constantly on the sick list.



It may be observed that the rate for noncombat injuries remained rather stable during each of the war years, the fluctuation in the noneffective rate being due to the fluctuation in the rates for diseases.

That the increase in the noneffective rate by the end of the war was due to an increase in the patients stay on the sick list rather than to an increase in incidence may be further noted in table 2 which indicates the average number of sick days for each of the years. The average stay on the sick list for each admission rose from 15.1 days in 1942 to 23.5 in 1945. Similarly, the average number of sick days per person in the service rose from 8.3 in 1942 to 11.2 in 1945.

When the noneffective rate is further distributed by type of service some very interesting points are

uncovered. In general, the specific noneffective rates for each type of service increased during the course of the war as did the total rate. Navy officer rates increased from 16.1 in 1942 to 21.8 in 1945, while Marine officer rates increased from 18.2 in 1942 to 29.8 in 1945. Navy enlisted rates rose from 22.9 in 1942 to 29.5 in 1945 and Marine enlisted rates from 25.3 to 46.5.

The average number of sick days per person in the service and per admission to the sick list may be observed in table 3. An increase in the average number of sick days distributed by both methods may be noted from 1942 to 1945. In 1942, for example, for each person in the Navy and Marine Corps there was 8.3 sick days accumulated and for each admission to the sick list there was 15.1 sick

days. In 1945, on the other hand, there were 11.2 sick days per person and 23.5 sick days per admission to the sick list. It is recognized, of course, when distributing sick days over the entire population of the Navy and Marine Corps that some persons would be contributing far more than their "share" of sick days while others would not be

contributing any. The disproportionate increase from 1942 to 1945 in sick days per person as contrasted with sick days per admission (35 percent increase in sick days per person as contrasted with 56 percent increase in sick days per admission) emphasizes even further the longer stay on the sick list for patients in 1945.

Figure 2.

NONEFFECTIVENESS

NAVY AND MARINE CORPS 1942 - 1945

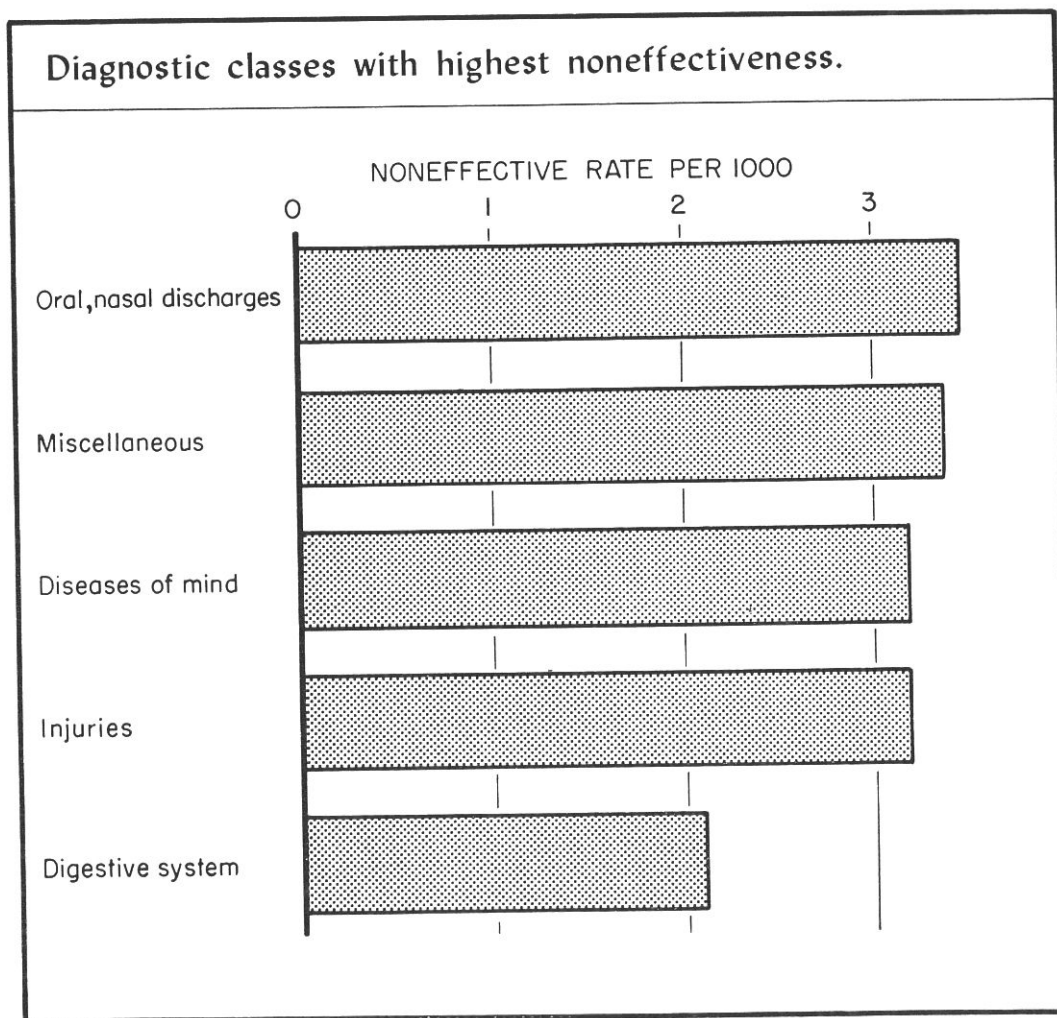


TABLE 2.—Average sick days per case by diagnostic class,
Navy and Marine Corps: 1942-45

Diagnostic class	Average sick days per case				
	Total	1942	1943	1944	1945
Total, all causes.....	20.6	15.1	17.6	20.9	23.5
Total, diseases.....	20.1	14.4	17.7	21.1	22.4
Blood.....	27.9	30.4	27.1	27.4	28.3
Circulatory system.....	44.1	38.6	38.2	43.7	49.3
Digestive system.....	18.7	18.0	17.9	19.0	19.3
Ductless glands.....	62.4	52.8	58.2	60.2	70.0
Ear, nose, throat.....	15.9	13.6	14.2	16.0	17.5
Eye and adnexa.....	23.3	19.0	22.1	21.7	26.4
Genito-urinary (nonven.).....	15.5	16.2	16.5	16.2	15.6
Oral, nasal discharges.....	7.6	6.8	7.2	8.1	7.7
Intestinal discharges.....	8.2	7.9	6.7	10.4	7.8
Insects, arthropods.....	27.5	8.6	34.4	23.4	28.8
Tuberculosis.....	104.1	48.4	88.4	116.3	131.8
Venereal diseases.....	9.2	11.4	15.4	9.1	5.3
Other infective types.....	19.5	11.2	15.8	21.3	22.2
Lymphatic system.....	12.4	11.2	13.6	11.3	12.8
Mind.....	78.1	59.0	72.8	86.5	82.0
Motor system.....	48.3	32.6	39.6	47.8	57.5
Nervous system.....	65.9	43.0	53.0	62.7	81.0
Respiratory system.....	47.6	28.8	39.4	50.9	56.2
Skin, hair, nails.....	23.8	18.0	18.8	22.5	28.6
Herniae.....	43.0	38.8	40.1	43.2	46.5
Miscellaneous.....	34.0	17.4	30.2	36.3	35.8
Parasitic.....	17.8	9.2	16.1	17.9	20.9
Tumors.....	37.9	35.6	34.9	36.4	39.4
Female conditions.....	11.9	20.6	14.2	12.9	10.9
Dental conditions.....	15.1	14.5	12.5	14.4	17.5
Injuries.....	25.6	20.8	22.4	24.5	30.4
Poisonings.....	9.0	8.3	8.6	9.2	9.2

TABLE 3.—Average number of sick days,
Navy and Marine Corps: 1942-45

Year	Per person	Per admission
1942.....	8.3	15.1
1943.....	10.9	17.6
1944.....	10.6	20.9
1945.....	11.2	23.5

Table 4 indicates admission rates to the sick list and to hospitals. The admission rate to the sick list is the rate at which persons come onto the sick list from a duty status. The admission rate to hospitals, on the other hand, is computed from the number of hospital admissions divided by the average strength. It may be noted that while the sick list admission rate in 1945 reached its lowest level in the 4-year period, the hospital admission rate was at its peak in that year.

TABLE 4.—Admission rates to sick list and to hospitals,
Navy and Marine Corps: 1942-45

Year	Admission rate per 1,000 average strength	
	To sick list	To hospitals ¹
1942.....	547.4	196.5
1943.....	617.2	180.9
1944.....	507.4	175.9
1945.....	477.2	202.1

¹ Data for hospital ships and medical units excluded.

The average daily hospital patient census for each of the war years, for both active duty Navy and Marine Corps personnel and supernumeraries may be observed in table 5. As might be expected, the greatest increase in hospitalization by the end of the war occurred in the active duty category although all categories of supernumeraries also had increased by 1945. Since this is the first table which includes data on supernumerary personnel it should be emphasized that unless supernumerary personnel are specifically mentioned in the discussion or specifically included in the titles of tables, all of the data are limited only to active duty Navy and Marine Corps personnel.

TABLE 5.—Average daily hospital patient census,¹ active duty
Navy and Marine Corps and Supernumeraries: 1942-45

Type of patient	1942	1943	1944	1945
Active duty, Navy and Marine Corps.....	14,108	37,268	66,094	87,253
Supernumeraries.....	1,485	1,845	3,193	4,476
Retired personnel.....	245	214	187	253
Veterans' Admin. beneficiaries.....	612	660	979	1,468
Dependents.....	126	328	788	1,185
All others.....	502	643	1,239	1,570

¹ Excludes data for hospital ships and medical units.

Table 6 indicates the average daily patient load for hospital ships. Here too, the increase noted in hospitalization each succeeding year is evident.

TABLE 6.—Average daily patient census and total hospital sick days, hospital ships: 1942-45

Year	Average daily patient census	Hospital sick days
1942.....	147	53,764
1943.....	272	99,201
1944.....	589	215,631
1945.....	1,370	499,879

Table 7 presents data on hospital admissions and sick days for Navy and Marine Corps personnel. During World War II, more than 70 million hospital sick days were accumulated, or what would be the equivalent of 56 hypothetical 1,000 bed hospitals operating at the normal level of 85 percent of capacity throughout the 4-year period. The average number of hospital sick days per person in the service and per hospital patient may be compared with similar data for all sick days in table 3. A slight decrease may be noted in the hospital sick days per patient from 1944 to 1945, possibly a reflection of the demobilization program late in 1945.

TABLE 7.—Hospital admissions and sick days,
Navy and Marine Corps: 1942-45

Year	On sick list 1 January	Admitted during year	Total sick days	Average number of hospital sick days	
				Per person	Per patient
1942.....	7,863	164,019	4,607,513	5.5	29.6
1943.....	21,093	381,468	12,929,455	6.1	35.7
1944.....	50,926	589,305	23,021,682	6.9	46.9
1945.....	80,506	742,490	30,213,590	8.2	43.3

A distribution of the hospital patient census, by location of the hospitals, is presented in table 8. For the entire period, the overwhelming majority

of the patients (85.2 percent) were in continental hospitals as compared to 14.1 percent in noncontinental hospitals and 0.8 percent on hospital ships. The distribution of the supernumerary hospital patient census follows that of active duty personnel, there being 78.3 percent in continental hospitals, 17.8 percent in noncontinental hospitals, and 3.9 percent on hospital ships. The peak load of supernumeraries on hospital ships occurred in September 1945, when there was an average of 938 supernumerary patients on hospital ships, more than 50 percent of which were Army patients.

Figure 3.

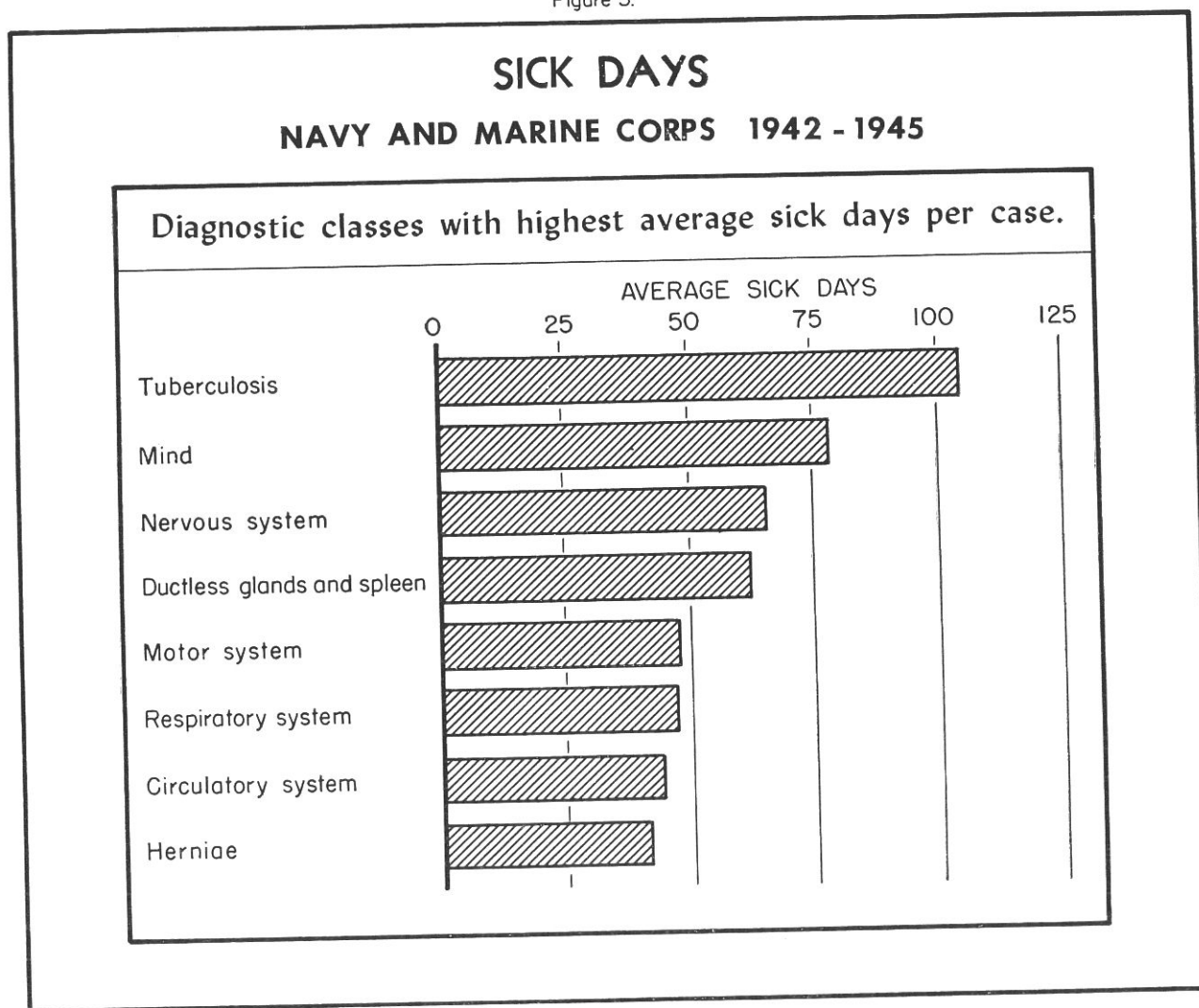


Figure 4.

NONEFFECTIVE RATES **BY TYPE OF SERVICE** **NAVY AND MARINE CORPS 1942-1945**

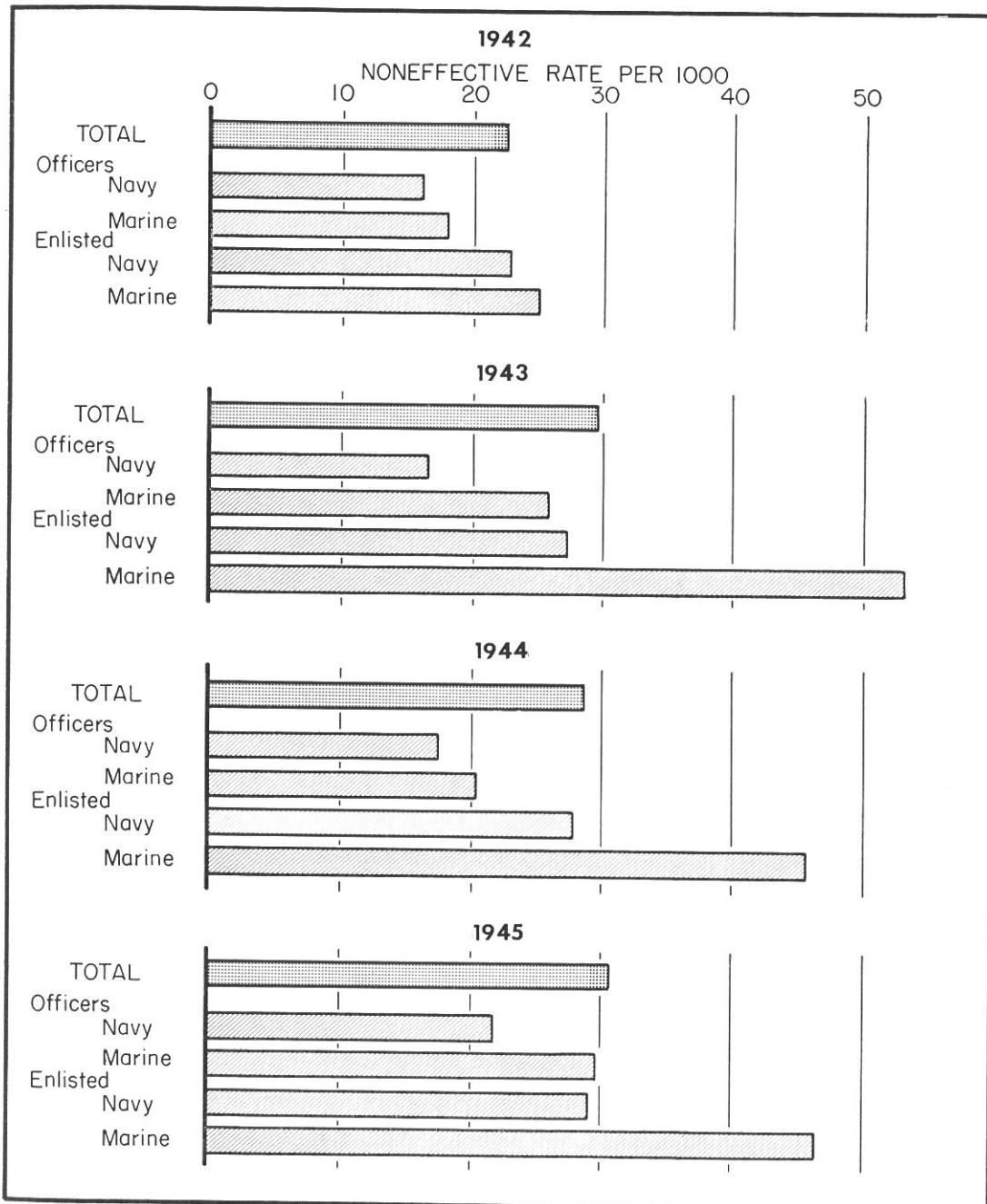


Figure 5.

ADMISSIONS TO SICK LIST AND TO HOSPITALS NAVY AND MARINE CORPS 1942 - 1945

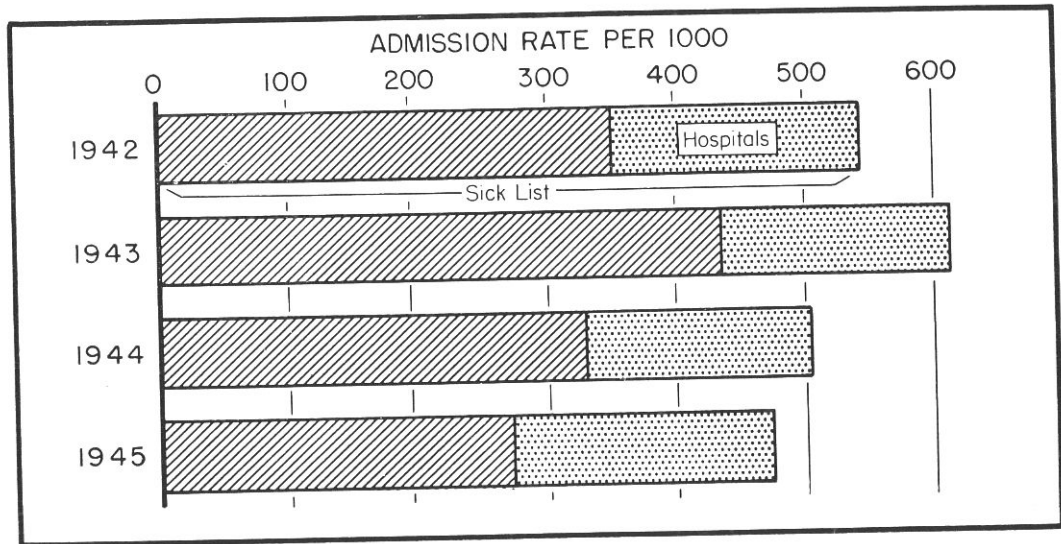


Figure 6.

HOSPITAL SICK DAYS NAVY AND MARINE CORPS 1942 - 1945

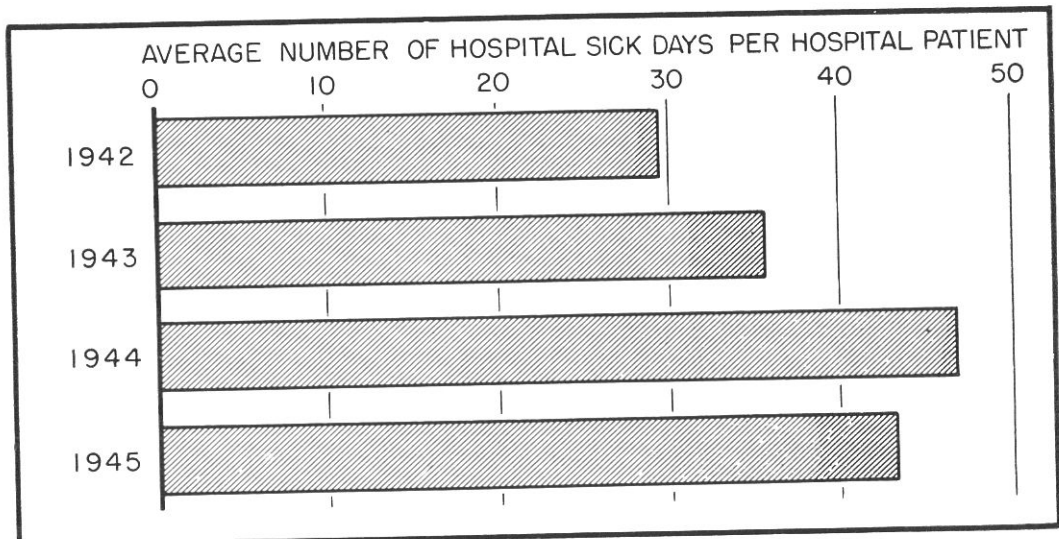
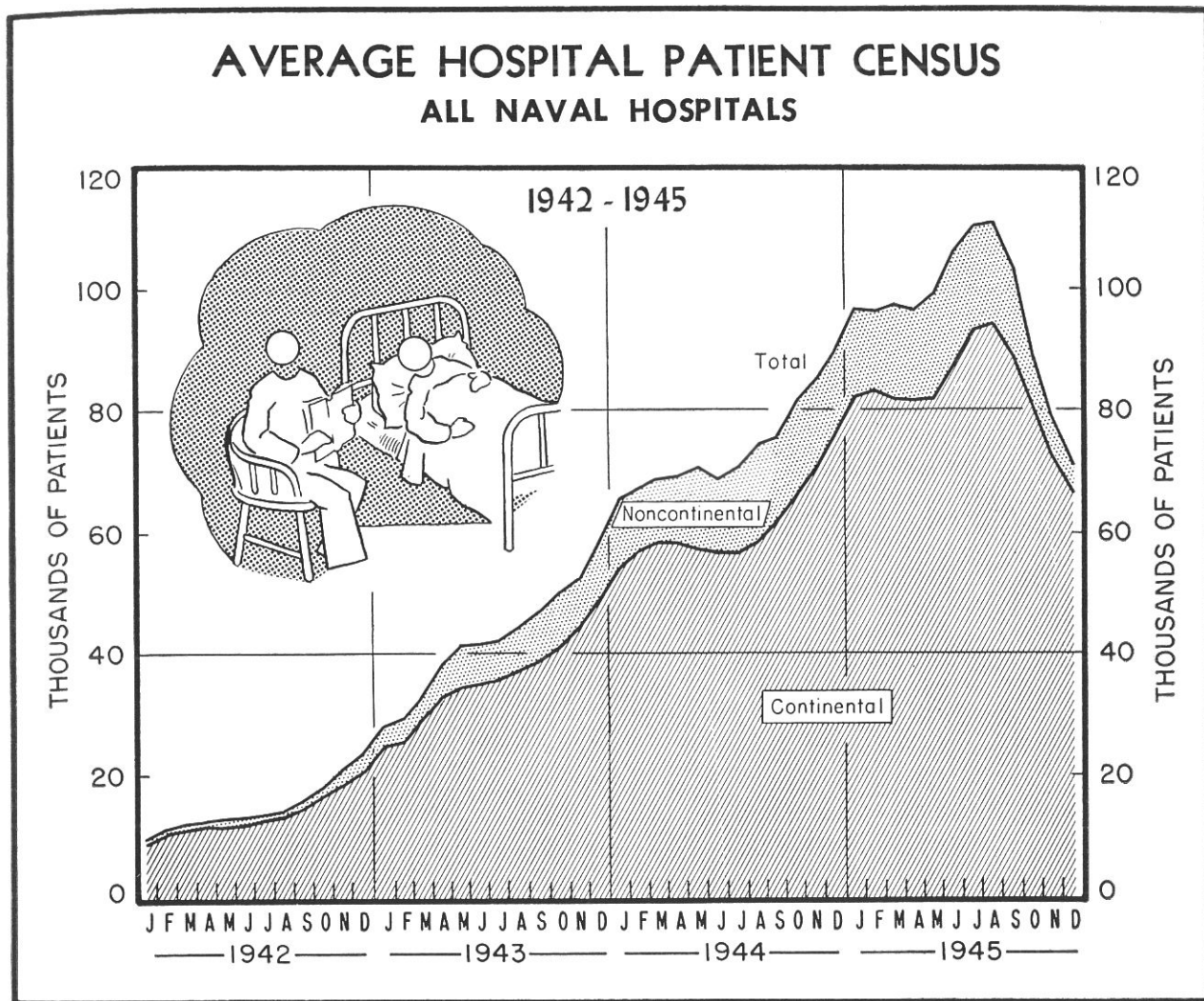


Figure 7.

TABLE 8.—Average hospital patient census by location,
Navy and Marine Corps: 1942-45

Year	Total	Continental hospitals	Noncontinental hospitals	Hospital ships
1942.....	13,274	12,055	1,078	141
1943.....	39,723	33,738	5,716	269
1944.....	70,576	58,207	12,066	303
1945.....	90,635	78,446	11,237	952

There was a total of 110 naval hospitals and hospital ships in operation for varying periods during the war years. These consisted of 56 continental hospitals, 6 permanent noncontinental hospitals, 20 noncontinental base hospitals, 10 noncontinental mobile hospitals, 6 fleet hospitals, and 12 hospital ships. Table 9 indicates each

hospital, with date of commissioning and decommissioning as well as the peak patient load during the war. It should be pointed out that the peak patient loads refer to the peak during the period 1942 through 1945. For some of the hospitals, the peak patient load actually did not come until 1946, necessarily in the case of those hospitals which were commissioned late in 1945. However, for the purpose of consistency, the peak load within the 4-year period has been used. Several other hospitals were commissioned but did not report the admission of patients prior to the end of 1945 and are therefore not included in this list.

The peak patient loads came at different times for different hospitals. In general, however, the

TABLE 9.—*Naval hospitals in operation during World War II*

Hospital	Date commissioned	Date decommissioned	Peak patient load World War II	
			Date	Number of patients
Continental:				
Annapolis, Md.	1846		1 Aug 1945	332
Arrowhead Springs, Calif. (S)	May 1944	Apr 1946	2 May 1945	722
Asbury Park, N. J. (S)	Apr 1945	Apr 1946	24 Nov 1945	1,182
Asheville, N. C. (S)	May 1943	Apr 1946	4 Jul 1945	393
Astoria, Oregon	Oct 1944	Mar 1947	2 May 1945	537
Bainbridge, Md.	Oct 1942	May 1947	23 May 1945	2,447
Banning, Calif. (S)	Oct 1944	Dec 1945	27 Jun 1945	884
Beaumont, Calif. (S)	Oct 1944	Oct 1945	15 Aug 1945	308
Bethesda, Md.	Feb 1942		29 Aug 1945	2,464
Brooklyn, N. Y.	1838	Jun 1948	29 Aug 1945	1,143
Camp Lejeune, N. C. ¹	May 1943		25 Jul 1945	1,827
Camp Wallace, Tex.	Sep 1945	Sep 1946	12 Dec 1945	279
Camp White, Ore.	Aug 1945	May 1946	7 Nov 1945	405
Charleston, S. C.	Apr 1942		11 Jul 1945	935
Chelsea, Mass.	1836		24 Oct 1945	2,726
Corona, Calif.	Dec 1941		29 Aug 1945	3,664
Corpus Christi, Tex.	Jul 1941		12 Sep 1945	1,397
Corvallis, Ore.	Feb 1945	May 1946	1 Aug 1945	1,666
Dublin, Ga.	Jan 1945	Jun 1948	15 Aug 1945	856
Farragut, Idaho	Jan 1943	Jun 1946	29 Aug 1945	3,344
Fort Eustis, Va.	Sep 1944	Feb 1946	13 Jun 1945	1,782
Glenwood Springs, Colo. (S)	Jul 1943	May 1946	18 Jul 1945	619
Great Lakes, Ill.	Oct 1911		7 Feb 1945	8,179
Harriman, N. Y. (S)	Nov 1942	Nov 1945	16 May 1945	74
Jacksonville, Fla.	Jul 1941		11 Jul 1945	1,825
Key West, Fla.	Oct 1942		25 Jul 1945	532
Long Beach, Calif.	Dec 1942		12 Dec 1945	3,877
Mare Island, Calif.	1854		4 Jul 1945	2,281
Memphis, Tenn.	Mar 1943		1 Aug 1945	1,478
New Orleans, La.	Jun 1943	Nov 1946	1 Aug 1945	1,236
Newport, R. I.	Apr 1913		1 Aug 1945	1,315
Norfolk, Va.	Nov 1942	May 1947	6 Jun 1945	1,827
Norman, Okla.	Nov 1942	Sep 1946	15 Aug 1945	2,002
Oakland, Calif.	Jul 1942		15 Aug 1945	5,577
Palm Beach, Fla. (S)	May 1945	Feb 1946	26 Sep 1945	1,180
Parris Island, S. C.	1889	May 1949	29 Aug 1945	795
Pensacola, Fla.	Feb 1941		11 Jul 1945	1,073
Philadelphia, Pa.	Apr 1935		5 Sep 1945	3,587
Portsmouth, N. H.	Dec 1891		1 Aug 1945	428
Portsmouth, Va.	1830		4 Jul 1945	3,187
Puget Sound, Wash.	Jan 1912		1 Aug 1945	1,033
Quantico, Va.	Jul 1941		22 Aug 1945	609
San Francisco, Calif.	Dec 1944	Dec 1945	13 Jun 1945	1,892
Sampson, N. Y.	Feb 1946	Dec 1946	12 Dec 1945	3,406
San Diego, Calif.	Aug 1922		25 Jul 1945	8,406
San Leandro, Calif.	Aug 1944	Sep 1946	20 Jun 1945	1,430
Santa Cruz, Calif. (S)	Mar 1943	Apr 1946	1 Aug 1945	866
Santa Margarita, Calif.	Sep 1943		18 Jul 1945	1,584
Sea Gate, N. Y. (S)	Aug 1944	Jun 1946	7 Nov 1945	856
Seattle, Wash.	Aug 1942	Apr 1947	11 Jul 1945	2,554
Shoemaker, Calif.	Oct 1943	Jun 1946	11 Jul 1945	3,031
Springfield, Mass. (S)	Sep 1944	Mar 1946	11 Jul 1945	424
St. Albans, N. Y.	Feb 1943		1 Sep 1945	5,213
Sun Valley, Idaho (S)	Jul 1943	Dec 1945	5 Sep 1945	1,336
Treasure Island, Calif.	Apr 1942	Mar 1947	1 Aug 1945	1,369
Yosemite, Calif. (S)	Jul 1943	Dec 1945	15 Aug 1945	775
Noncontinental:				
Permanent:				
Aiea Heights, T. H.	Jul 1943	Jun 1949	4 Apr 1945	5,618
Balboa, C. Z.	Aug 1942	Sep 1946	29 Nov 1944	269
Coco Solo, C. Z.	Sep 1942		8 Nov 1944	366
Pearl Harbor, T. H.	Jan 1917	Nov 1945 ²	20 Jun 1945	2,339
San Juan, P. R.	Dec 1943	Sep 1946	26 Apr 1944	206
Trinidad, British West Indies	Aug 1943	Aug 1945	1 Sep 1943	283
Base Hospitals:				
No. 2—Elate Island, New Hebrides; Subic Bay, Luzon	Mar 1942	Mar 1946	2 Jun 1943	801
No. 3—Espiritu Santo, New Hebrides	Jan 1943	Jul 1945	8 Nov 1944	808
No. 4—Wellington, New Zealand; Okinawa	Mar 1943	Nov 1945	8 Sep 1943	1,159
No. 5—Casablanca, French Morocco	Aug 1943	Jun 1945	7 Jun 1944	71
No. 6—Espiritu Santo, New Hebrides	Aug 1943	Feb 1945	16 Aug 1944	961
No. 7—Tulagi, Solomon Islands	Aug 1943	Apr 1945	25 Aug 1943	313

TABLE 9.—*Naval hospitals in operation during World War II—Continued*

Hospital	Date commissioned	Date decommissioned	Peak patient load World War II	
			Date	Number of patients
Nonecontinental—Cont.				
No. 8—Pearl Harbor, T. H.	Aug 1943	Dec 1945	31 Jan 1945	1,033
No. 9—Oran, Algeria	Nov 1943	Sep 1945	27 Sep 1944	961
No. 10—Sydney, Australia	Sep 1943	Sep 1945	6 Sep 1944	302
No. 11—Mun'a, New Georgia	Dec 1943	Dec 1944	23 Feb 1944	231
No. 12—Netley, England	Mar 1943	Sep 1944	19 Jul 1944	821
No. 13—Hilmot, New Guinea	Dec 1943	Jul 1945	7 Mar 1945	221
No. 14—Finschaven, New Guinea; Cavite, P. I.	Jun 1944	Dec 1945	7 Mar 1945	119
No. 15—Manus Is., Admiralty Islands	Jul 1944	Jan 1946	11 Jul 1945	1,283
No. 16—Woendi, Netherlands East Indies	Sep 1944	Nov 1945	30 May 1945	324
No. 17—Hollandia, New Guinea	Sep 1944	Oct 1945	7 Feb 1945	916
No. 18—Guam	Oct 1944	Dec 1945	16 May 1945	2,091
No. 19—Tinian	Oct 1944	Nov 1945	23 May 1945	819
No. 20—Peleliu, Palau Islands	Nov 1944	Feb 1946	10 Jan 1945	437
No. 21—Kwajalein Island	Jul 1945	Oct 1946	21 Nov 1945	74
Mobile Hospitals:				
No. 1—Guantanamo Bay, Cuba; Bermuda	Oct 1940	Oct 1943	14 Apr 1943	198
No. 2—Pearl Harbor, T. H.	Aug 1941	Oct 1943 ²	18 Aug 1943	332
No. 3—Tutuila, Samoa; Guam	Mar 1942	May 1944	1 Sep 1943	840
No. 4—Auckland, New Zealand; Okinawa	Apr 1943	Nov 1946	12 May 1943	1,695
No. 5—Noumea, New Caledonia	May 1942	Dec 1945	23 Aug 1944	1,672
No. 6—Auckland, New Zealand; Okinawa	Mar 1943	Nov 1945	10 Feb 1943	937
No. 7—Noumea, New Caledonia	Jul 1942	Jan 1945	2 Feb 1944	1,622
No. 8—Guadalcanal, Solomon Islands	Aug 1942	Jul 1945	27 Sep 1944	1,833
No. 9—Brisbane, Australia	May 1943	Jan 1945	15 Nov 1943	1,553
No. 10—Russell Is., Solomon Islands	Aug 1943	Jul 1945	12 Jul 1944	1,128
Fleet Hospitals:				
No. 103—Guam	Mar 1942	Feb 1946	23 May 1945	1,225
No. 111—Guam	Dec 1943	Nov 1945	14 Mar 1945	2,087
No. 113—San Francisco, Calif.	Dec 1944	Feb 1945	3 Jan 1945	1,343
No. 114—Guian Sa-Mar, P. I.	Oct 1944	Jun 1946	29 Aug 1945	2,084
No. 115—Guam	Mar 1945	Oct 1945	23 May 1945	1,619
No. 116—Brooklyn, N. Y.; San Pedro, Calif.	Nov 1945	Jun 1946		
Hospital Ships:				
U. S. S. <i>Benevolence</i>	May 1945	Apr 1947	21 Nov 1945	486
U. S. S. <i>Bountiful</i>	Mar 1944	Sep 1946	21 Feb 1945	603
U. S. S. <i>Consolation</i>	May 1945	Mar 1946	21 Nov 1945	320
U. S. S. <i>Haven</i>	May 1945	Apr 1947	17 Oct 1945	27
U. S. S. <i>Refuge</i>	Feb 1944	Mar 1946	4 Apr 1945	662
U. S. S. <i>Relief</i>	Dec 1920	Jun 1946	18 Oct 1944	677
U. S. S. <i>Repose</i>	May 1945	Sep 1949	26 Dec 1945	529
U. S. S. <i>Rescue</i>	Mar 1945	Apr 1946	27 Jun 1945	712
U. S. S. <i>Samaritan</i>	Mar 1944	Jun 1946	4 Oct 1944	598
U. S. S. <i>Sanctuary</i>	Jun 1945	Mar 1946	24 Oct 1945	197
U. S. S. <i>Solace</i>	Aug 1941	Feb 1946	30 May 1945	602
U. S. S. <i>Tranquillity</i>	Apr 1945	Mar 1946	7 Nov 1945	550

¹ Still in operation on 1 September 1949.

S—Special and Convalescent Hospitals.

² Formerly called New River, N. C.

³ U. S. Naval Hospital, Pearl Harbor, was located in permanent buildings on Hospital Point until 1943, when it was transferred to the temporary hospital facilities near the Navy Yard, previously designated as Mobile Hospital No. 2.

Figure 8.

NAVAL HOSPITALS - CONTINENTAL U. S.

1942 - 1945

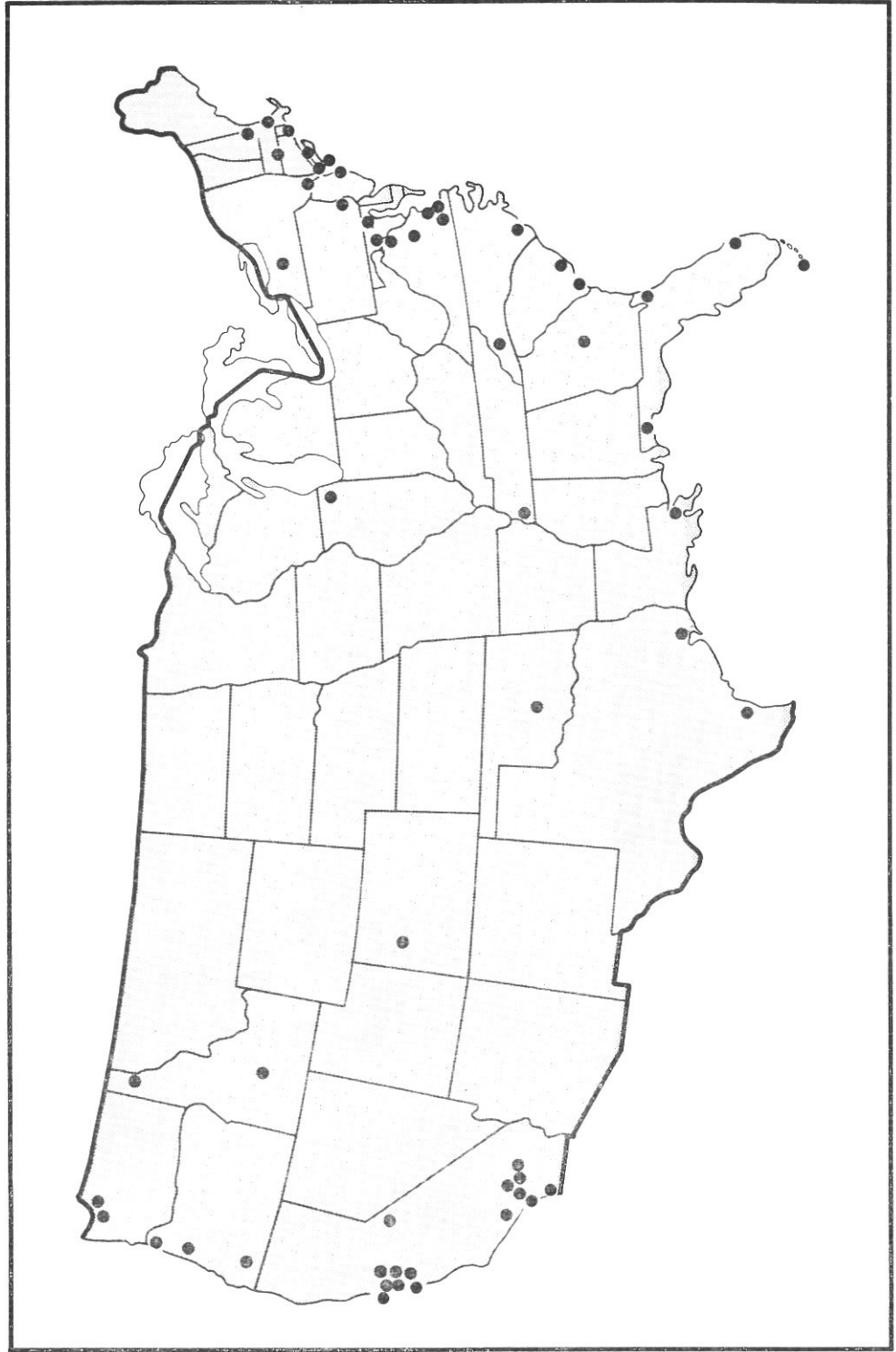
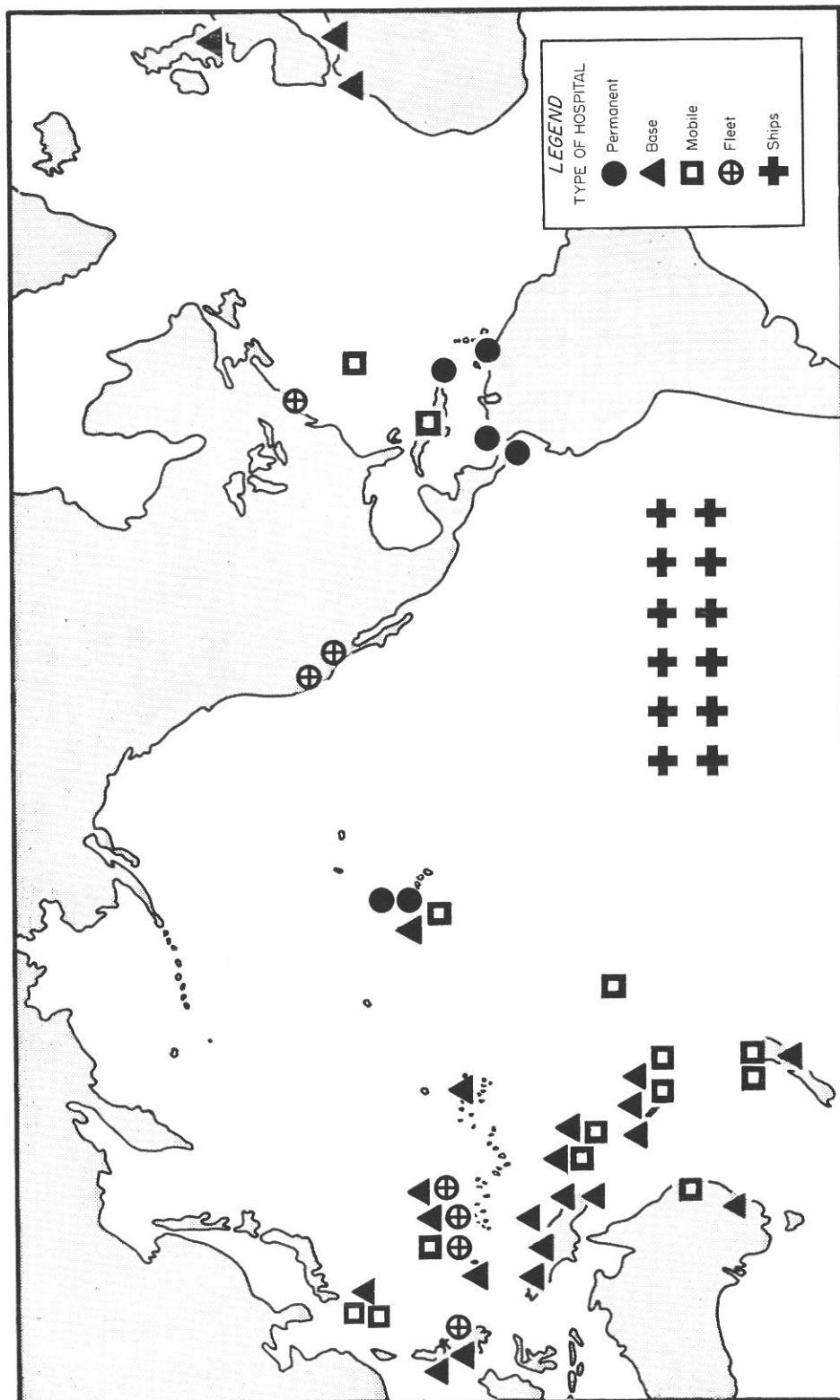


Figure 9.

NONCONTINENTAL AND FLEET HOSPITALS AND HOSPITAL SHIPS

1942 - 1945



majority of the hospitals reported their highest patient loads in July and August of 1945. The peak load during the war period for all of the hospitals combined occurred in August of 1945, when there were 110,674 patients on the hospital census. Of these, 7,894 or 7.1 percent were Navy and Marine Corps officers, 95,151 or 86.0 percent were Navy and Marine Corps enlisted personnel and 7,629 or 6.9 percent were supernumeraries. About half of the supernumeraries were active duty

military personnel, distributed about equally between Army and Coast Guard.

The highest percentage of the total strength hospitalized, however, occurred in July 1945, when 2.72 percent of the total strength of the Navy and Marine Corps were hospital patients. The average percentage of the total strength hospitalized increased from year to year during the war. The percent of total active duty strength hospitalized in 1942 was 1.52, in 1943, 1.88, in 1944, 2.11, and in 1945, 2.47.

Permanent Manpower Losses

Invalidings From the Service

Losses in manpower to the Navy due to morbidity may be measured by several different variables. The noneffective rate, discussed in the previous chapter measures the temporary loss in manpower due to sickness. The permanent losses are represented by invalidings from the service and deaths. The disposition invaliding from the service which will be discussed here first, reflects the number of persons who were separated from the service for medical reasons. Some of these persons were discharged to their homes, others to Veterans' Administration care.

TABLE 10.—*Rates¹ of invaliding from the service by diagnostic class, Navy and Marine Corps: 1942-45*

Diagnostic class	1942	1943	1944	1945
Total, all causes.....	24.2	21.8	25.8	45.0
Diseases.....	23.0	20.8	24.9	43.3
Blood.....	0.0	0.0	0.0	0.0
Circulatory system.....	1.6	1.6	1.4	2.0
Digestive system.....	1.1	1.3	1.5	2.2
Ductless glands.....	0.2	0.2	0.2	0.2
Ear, nose, throat.....	1.4	1.2	1.2	2.2
Eye and adnexa.....	1.8	1.0	0.9	1.3
Genito-urinary (nonven.).....	0.8	0.7	0.6	0.4
Oral, nasal discharges.....	0.1	0.0	0.0	0.0
Intestinal discharges.....	0	0	0.0	0
Insects, arthropods.....	0.0	0.1	0.1	0.2
Tuberculosis.....	2.7	1.0	0.5	0.7
Venereal diseases.....	0.3	0.5	0.2	0.1
Other infective types.....	0.3	0.5	0.1	1.1
Lymphatic system.....	0.0	0.0	0.0	0.0
Mind.....	4.0	5.4	9.5	15.8
Motor system.....	2.9	2.9	3.3	5.5
Nervous system.....	1.4	1.2	1.2	1.8
Respiratory system.....	0.9	1.2	1.2	2.2
Skin, hair, nails.....	0.2	0.2	0.4	1.5
Herniae.....	0.4	0.3	0.2	0.3
Miscellaneous.....	1.3	1.4	2.2	5.2
Parasitic.....	0.0	0.0	0.0	0.3
Tumors.....	0.2	0.2	0.2	0.3
Female conditions.....	0.0	0.0	0.1	0.1
Dental conditions.....	0.2	0.2	0.0	0.0
Injuries.....	1.3	0.9	0.9	1.7
Poisonings.....	0.0	0.0	0.0	0.0

¹ Annual rate per 1,000 average strength.

During World War II there were 317,769 invalidings in the Navy and Marine Corps for all causes. The great majority of these, 305,600 or 96 percent were for diseases, with 12,145 or about 4 percent being for injuries and a very small number, 24, for poisonings. The total number of invalidings from the service represents an annual rate of 31.9 per 1,000 strength. Table 10 presents rates of invaliding for each year during the war, by diagnostic class. It may be observed that the over-all rate in the last 2 years of the war was considerably higher than in the first 2, particularly in 1945 when 45 out of each 1,000 men in the Navy were discharged for medical reasons. Actually, more than one-half of all the invalidings for the entire war period occurred in 1945.

In the early part of the war, the majority of the invalidings were for conditions which were deemed to have existed prior to the person's entry into the service (EPTE). As the war progressed, the EPTE factor became decreasingly important, the percentage of invalidings for such conditions decreasing sharply. In 1942, when due to the pressure of mobilization persons were admitted with conditions which had gone undetected upon enlistment, 90 percent of all the invalidings were for EPTE conditions. This percentage declined to 85 percent in 1943, decreased further to 53 percent in 1944, and by 1945 only 28 percent of all the medical discharges were for conditions which were deemed to have existed prior to the person's entry into the service.

Of the 305,600 invalidings for diseases, more than one-third were due to diseases of the mind which were responsible for 107,951 invalidings. The psychoneuroses made up the largest group of these conditions, with 51,903 invalidings, or almost 50 percent of all the discharges for mental diseases. Psychopathic personality was responsible for another 35,708 invalidings, or 33 percent of all the discharges for mental conditions and psychoses with 13,002 invalidings were responsible for 12 percent of all the invalidings for the class.

Diseases of the motor system ranked second in number of invalidings from the service, accounting for 13 percent of all the invalidings due to diseases. Of the motor system conditions, arthritis was responsible for the majority of the invalidings, all

forms of arthritis accounting for 13,940 invalidings or more than 35 percent of all the invalidings for the class. Flatfoot was responsible for an additional 20 percent of the discharges for diseases of the motor system, followed by the diagnoses internal derangement of joint and acute and chronic myositis.

Among the miscellaneous conditions, which accounted for almost 10 percent of all the disease invalidings, one of the most outstanding diagnoses was no disease—unsuited for further useful service. This diagnosis requires some further explanation. While it may seem an anomaly that persons would be invalided for “no disease,” this title was instituted to effect the separation from the service of those persons who were determined definitely to be

Figure 10.

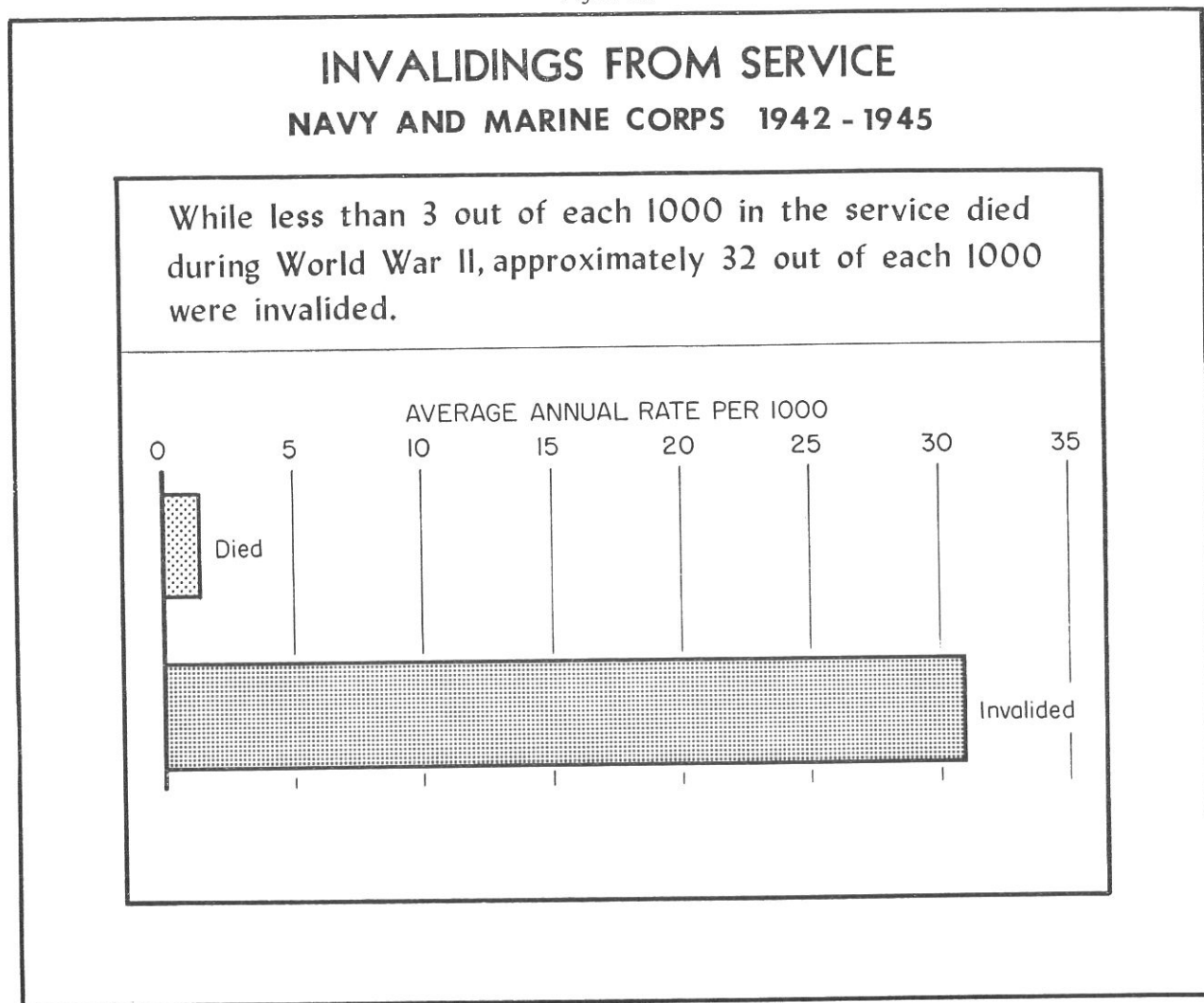


Figure 11

INVALIDINGS FROM SERVICE NAVY AND MARINE CORPS 1942 - 1945

The great majority of the invalidings were for diseases.

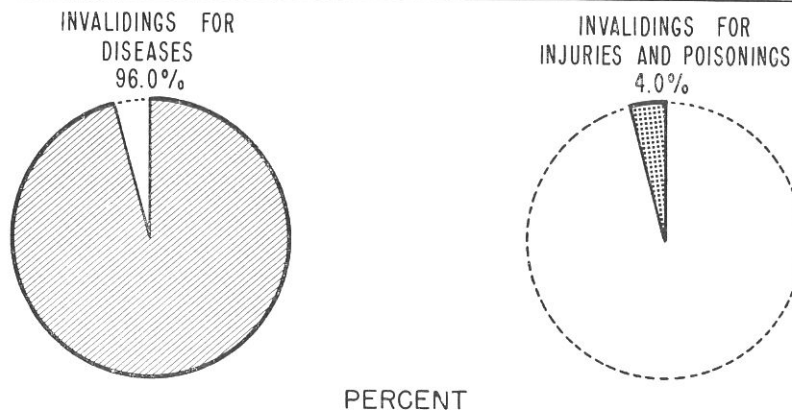


Figure 12.

INVALIDINGS FROM SERVICE NAVY AND MARINE CORPS 1942 - 1945

Rates of invaliding increased toward the end of World War II.

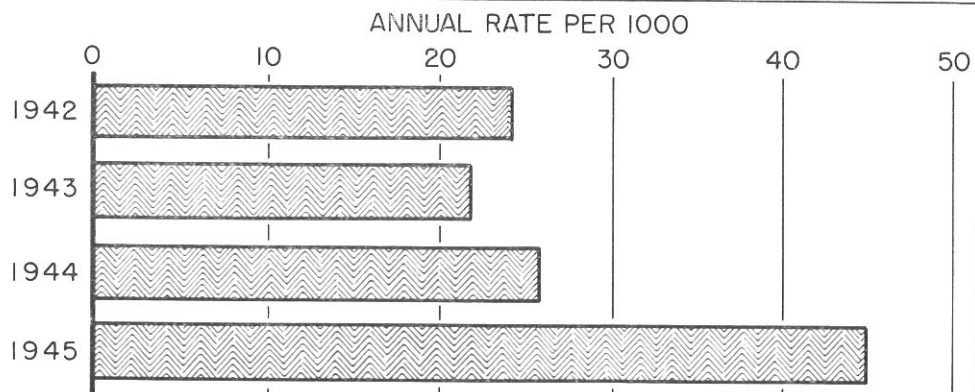
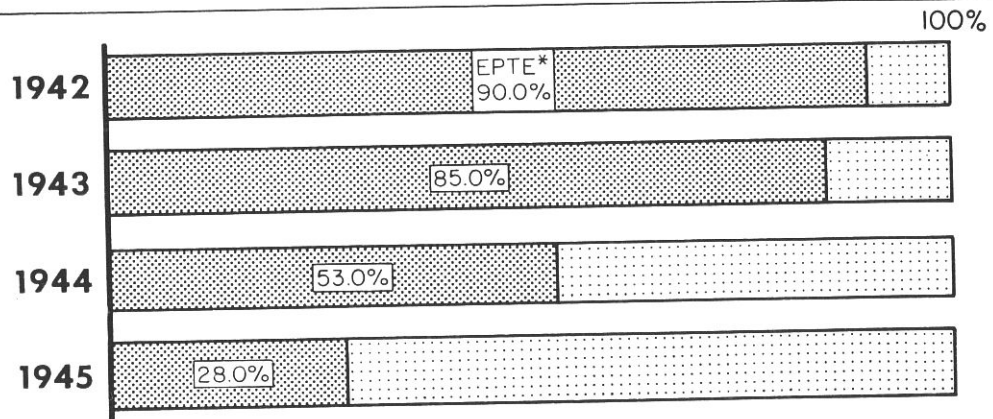


Figure 13.

INVALIDINGS FROM SERVICE NAVY AND MARINE CORPS 1942 - 1945

EPTE's* accounted for majority of invalidings in early years.

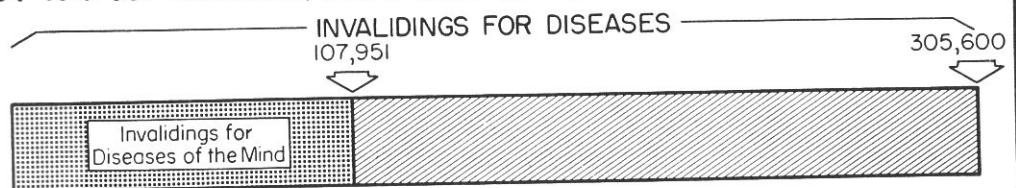


*Existed prior to entry into service.

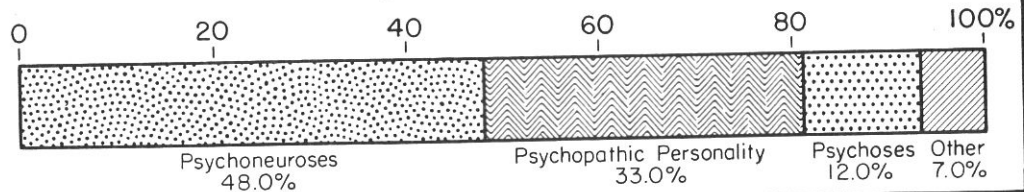
Figure 14.

INVALIDINGS FROM SERVICE NAVY AND MARINE CORPS 1942 - 1945

Of IS's* for diseases, more than 1/3 were due to diseases of mind.



Distribution of invalidings for diseases of mind by diagnoses.



*Invalidings from service

noneffective, but who had no physical or mental disability of sufficient importance alone to preclude their return to duty. For example, in persons in the older age groups in whom the noneffectiveness resulted from the physiological limitations normal for their age, the diagnostic title "no disease" was utilized to effect their separation from the service. That this diagnosis was used so frequently in the latter part of the war is ample evidence of the need for some such method by which persons could be invalidated.

The highest number of invalidings among the miscellaneous conditions (Class XXI) was attributable to deformity, acquired, which with 12,858 invalidings, accounted for more than 40 percent of all the invalidings for the class.

Circulatory system diseases ranked next highest in invalidings for diseases, with 17,078 discharges or 5.6 percent of the total for all diseases. The most outstanding disability here, from the standpoint of numbers, was disease of the mitral valve which accounted for 4,726 invalidings or 27.7 percent of the total for the class. Along with the invalidings for diseases of the mitral valve it should also be mentioned that there were 5,442 invalidings for rheumatic fever alone in addition to those for mitral valve disorders. These last are included with diseases of "other infective types."

There were no deaths attributable to dental conditions but this class of diseases resulted in 1,430 invalidings from the service during the 4-year period. Of these, the outstanding diagnosis was absence acquired, teeth.

MORTALITY

From the death certificates (Navmed-N) received in the Bureau for the years 1942 through 1945, data were compiled on deaths (other than those due to enemy action) in the Navy and Marine Corps. During World War II, there were 27,707 such deaths reported, resulting in an average annual rate of 278.0 per 100,000 strength. This is approximately one-fifth the death rate for noncombat diseases and injuries in World War I, when an average annual death rate of 1,385.0 per 100,000 strength was reported. The reduction in the death rate in World War II was most noted in the disease category, although the death rate for noncombat injuries (including poisonings) was reduced by more than half, from 504.3 per 100,000

in World War I to 224.4 in World War II. The most dramatic improvement in the death rate occurred in the disease classes, the rate in World War I being more than 16 times that in World War II. The absence of any occurrence in World War II such as the influenza pandemic in 1918 contributed materially to the reduced death rate as did the great strides made in medical treatment in recent years.

In table 11 is presented a comparison between the fatality rates for selected diseases in World War I and World War II. The remarkable improvement in the fatality rate for specific conditions may be noted.

TABLE 11.—*Fatality rates for selected diagnoses, Navy and Marine Corps: World Wars I and II*

Diagnosis	Fatality rate per 100 cases	
	World War II	World War I
Pneumonia, lobar.	0.9	11.8
Pneumonia, broncho.	0.8	2.8
Measles.	0.0	0.8
Scarlet fever.	0.1	1.0
Cerebrospinal fever, meningococcic.	4.4	33.0
Dysentery, all forms.	0.0	0.2
Typhoid and paratyphoid fever.	1.7	5.9
Erysipelas.	0.1	2.0

In table 12 it may be noted that injuries were the principal cause of death among Navy and Marine Corps personnel in World War II. This group of hazards was responsible for 21,922 deaths or almost 80 percent of the total noncombat mortality experienced during the war. The class with the next highest death rate was that of diseases of the circulatory system, with communicable diseases transmissible by oral and nasal discharges, tumors, digestive system diseases, and poisonings next in order. It may also be noted in table 12 that the death rate for Marine Corps personnel was slightly higher than that for naval personnel, 295.8 per 100,000 strength as against 275.1. The difference in the rates between officers and enlisted personnel, however, was much greater, the death rate for officers being almost 3 times as high as that for enlisted personnel. This higher death rate for officers was due primarily to aircraft accidents. Aviation cadets, among whom these injuries were most prevalent, were included in the officers category. In line with this, it may be noted that the death rate for the injuries class for officers was 599.7 per 100,000 strength or more than 3 times as high as the corresponding rate of 174.5 reported for enlisted men.

TABLE 12.—Deaths (noncombat) by diagnostic class, Navy and Marine Corps: 1942-45

Diagnostic class	Total		Navy		Marine Corps		Officers		Enlisted	
	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000
Total.....	27,707	278.0	23,618	275.1	4,089	295.8	7,261	675.8	20,446	229.9
Blood.....	263	2.6	228	2.6	35	2.5	26	2.4	237	2.7
Circulatory system.....	1,264	12.7	1,115	13.0	149	10.8	327	30.4	937	10.5
Digestive system.....	580	5.8	499	5.8	81	5.8	79	7.4	501	5.6
Ductless glands.....	46	0.5	42	0.5	4	0.3	5	0.5	41	0.5
Ear, nose, throat.....	76	0.8	64	0.7	12	0.9	5	0.5	71	0.8
Eye and adnexa.....	0	0	0	0	0	0	0	0	0	0
Genito-urinary (nonven.).....	103	1.6	149	1.7	14	1.0	15	1.4	148	1.7
Oral, nasal discharges.....	852	8.5	758	8.8	94	6.8	60	5.6	792	8.9
Intestinal discharges.....	18	0.2	13	0.2	5	0.4	1	0.1	17	0.2
Insects, arthropods.....	118	1.2	52	0.6	66	4.8	9	0.8	109	1.2
Tuberculosis.....	341	3.4	298	3.5	43	3.1	16	1.5	325	3.6
Venereal diseases.....	10	0.1	10	0.1	0	0	0	0	10	0.1
Other infective types.....	179	1.8	153	1.8	26	1.9	6	0.6	173	1.9
Lymphatic system.....	65	0.6	53	0.6	12	0.9	11	1.0	54	0.6
Mind.....	36	0.4	31	0.4	5	0.4	2	0.2	34	0.4
Motor system.....	3	0.0	3	0.0	0	0	0	0	3	0.0
Nervous system.....	416	4.2	367	4.3	49	3.5	56	5.2	360	4.0
Respiratory system.....	60	0.6	54	0.6	6	0.4	4	0.4	56	0.6
Skin, hair, nails.....	3	0.0	3	0.0	0	0	0	0	3	0.0
Herniae.....	15	0.2	13	0.2	2	0.1	1	0.1	14	0.2
Miscellaneous.....	101	1.0	91	1.1	10	0.7	14	1.3	87	1.0
Parasitic.....	19	0.2	17	0.2	2	0.1	1	0.1	18	0.2
Tumors.....	722	7.2	640	7.4	82	5.9	149	13.9	573	6.4
Female conditions.....	1	0.0	1	0.0	0	0	0	0	1	0.0
Injuries.....	21,922	220.0	18,597	216.6	3,325	240.5	6,443	599.7	15,479	174.1
Poisonings.....	434	4.4	367	4.3	67	4.8	31	2.9	403	4.5
Dental conditions.....	0	0	0	0	0	0	0	0	0	0

The death rates for officers and for enlisted men of both the Navy and Marine Corps distributed by age group are set forth in table 13. It may be noted that the rate for officers of the Marine Corps was almost twice that of Navy officers. For the enlisted of both services, however, the relationship was reversed, the death rate for enlisted personnel of the Navy being slightly higher than that for Marine Corps enlisted.

It may also be observed in table 13 that the rates for the age group from 20 to 24 for officers of both the Navy and the Marine Corps were extremely high in comparison to the rates for enlisted men, this high rate being mainly due to the large numbers of aviation personnel undergoing flight training in this age group and the afore-mentioned high frequency of aviation accidents resulting in death. The rate for Marine Corps officers in the 20- to 24-year age group was even higher than that for Navy officers, 1,980.7 per 100,000 strength as against 1,400.0. This may be attributed in part to the fact that for Navy officers, less than 75 percent of all the deaths reported were due to aircraft accidents while for Marine officers, 84.0 percent of the deaths reported resulted from aircraft accidents. Since most of these accidents occurred in the age

group from 20 to 24 where persons were undergoing flight training, the higher death rate for Marine Corps officers in this group might be expected.

Mortality data for each of the war years are presented in table 14. During these years the total rates were fairly consistent until 1945, when there was a decrease in the mortality rate from 307.7 per 100,000 strength in 1944 to 214.4 in 1945. This decrease was probably associated with demobilization and the cut-back in the training program together with a favorable morbidity picture in 1945. This decrease in the death rate in 1945 was apparent in both the Navy and the Marine Corps, among officers and enlisted personnel alike.

If injuries, which constituted such a large majority of the deaths, and poisonings are excluded from the total number, the relative importance of the disease classes in contributing to mortality for disease only is more clearly visualized.

Information was also compiled on mortality for personnel of the Navy and Marine Corps for World War II by race. In discussing the problem of mortality by race, consideration of other factors is necessary. The correlation between race of the person and deaths due to injuries, for example, lay in the occupation of the person rather than

his race. In other words, the mere fact that a person was either white or Negro did not presuppose certain conditions associated with fatal injuries. The occupation of the person was the important factor here. In the Navy and Marine Corps the majority of injury deaths were for persons in the aviation specialty. The preponderance of white personnel in these occupational groups exposed these persons to the risks and hazards thereof. On the other hand, in occupations such as culinary work where the majority of the Negro personnel were employed, the risks and hazards that these persons were exposed to were quite different. The higher injury rate that was noted for white persons during World War II may therefore be attributed to the higher injury rate for aviation accidents and

not to a special risk associated with the race of the person.

For deaths due to disease, however, the relationship between the race of the person and the death rates for specific conditions may be closer. However, here too the factor of occupation may be of no small importance. If we exclude from the total deaths all those due to injuries and poisonings and consider those attributable to disease only, we find a total of 5,351 deaths to consider for all races. For white personnel, less than 19 percent of the total mortality was due to disease. For Negroes, deaths due to disease only made up approximately 27 percent of the total deaths and for other races about 40 percent of all the deaths were due to disease only. Thus, deaths due to injuries and

Figure 15.

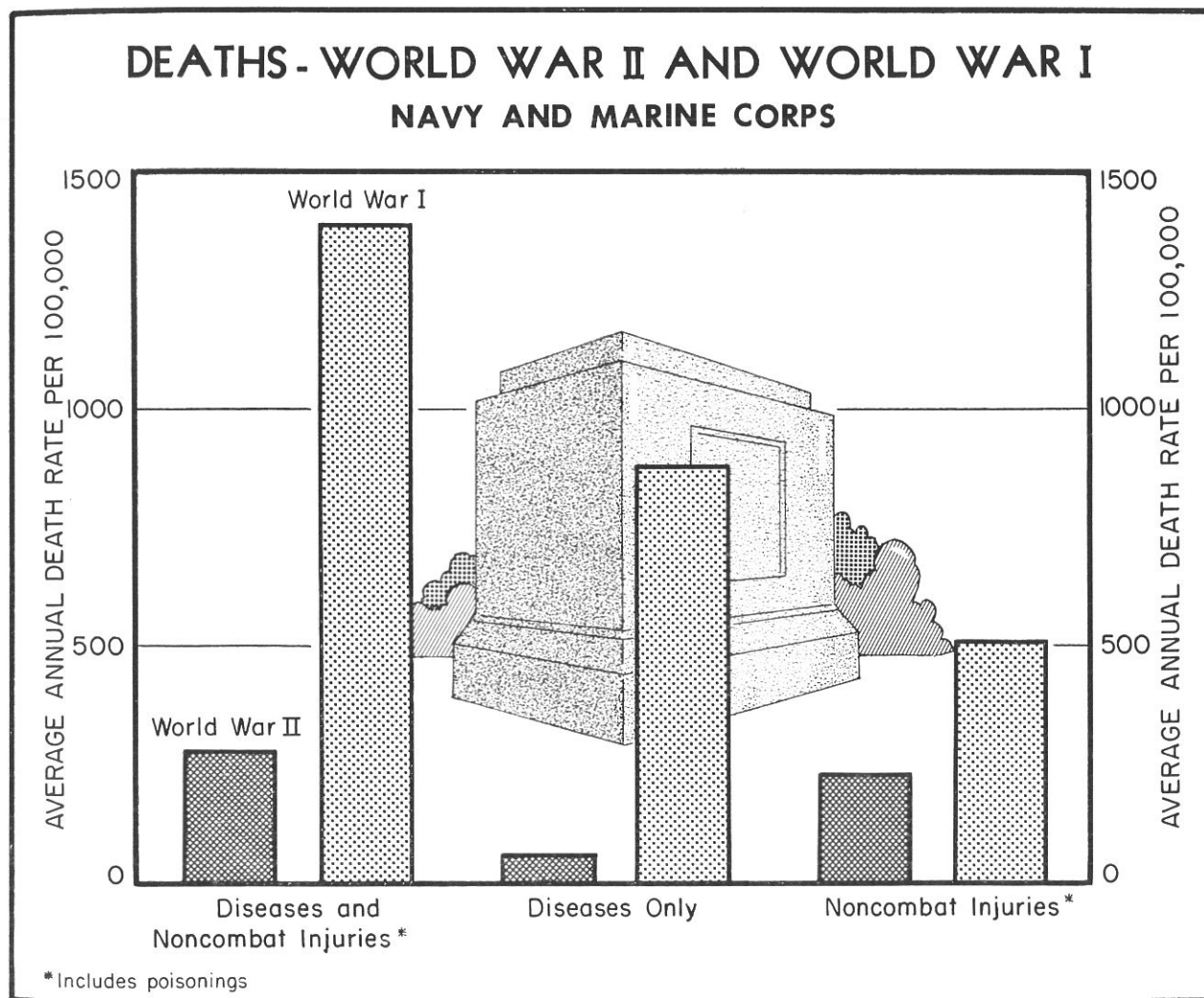


Figure 16.

FATALITY RATES - SELECTED DIAGNOSES

NAVY AND MARINE CORPS

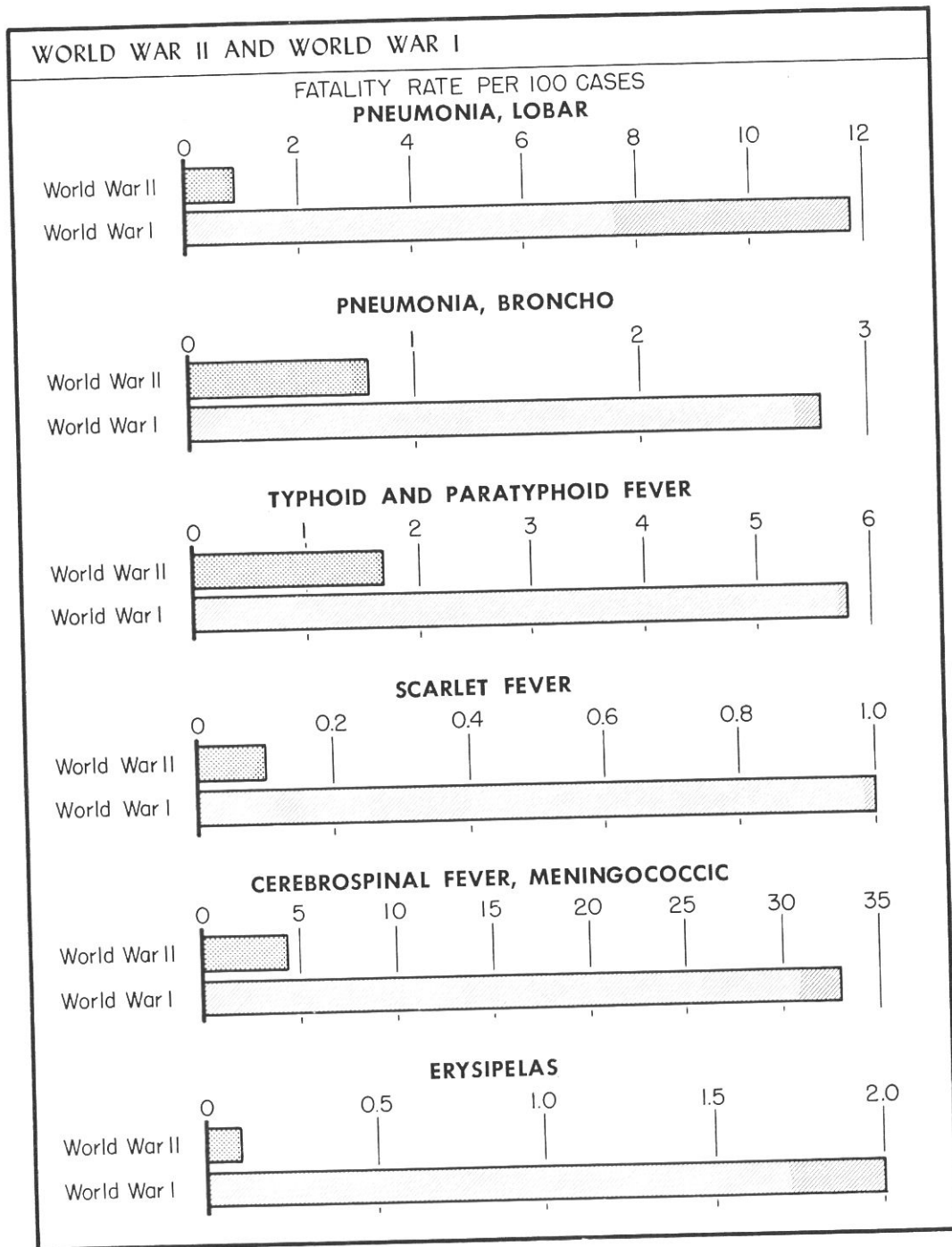


Figure 17.

MORTALITY - DISEASES AND NONCOMBAT INJURIES 1942 - 1945

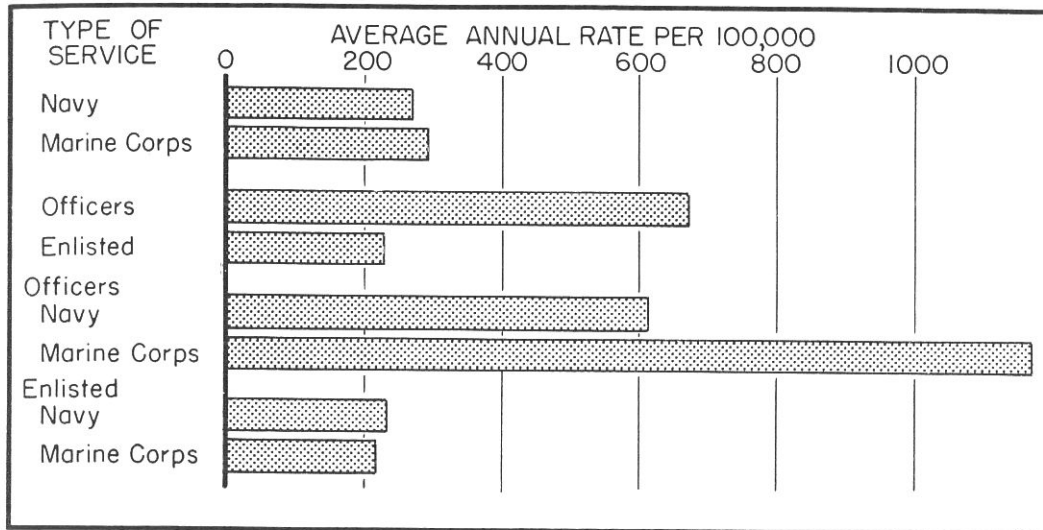
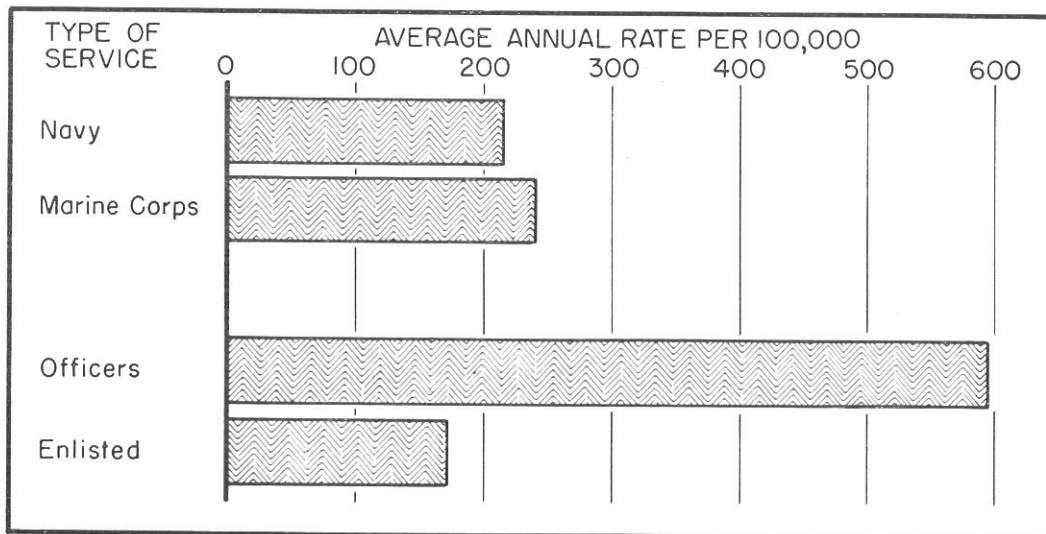


Figure 18.

MORTALITY - NONCOMBAT INJURIES ONLY 1942 - 1945



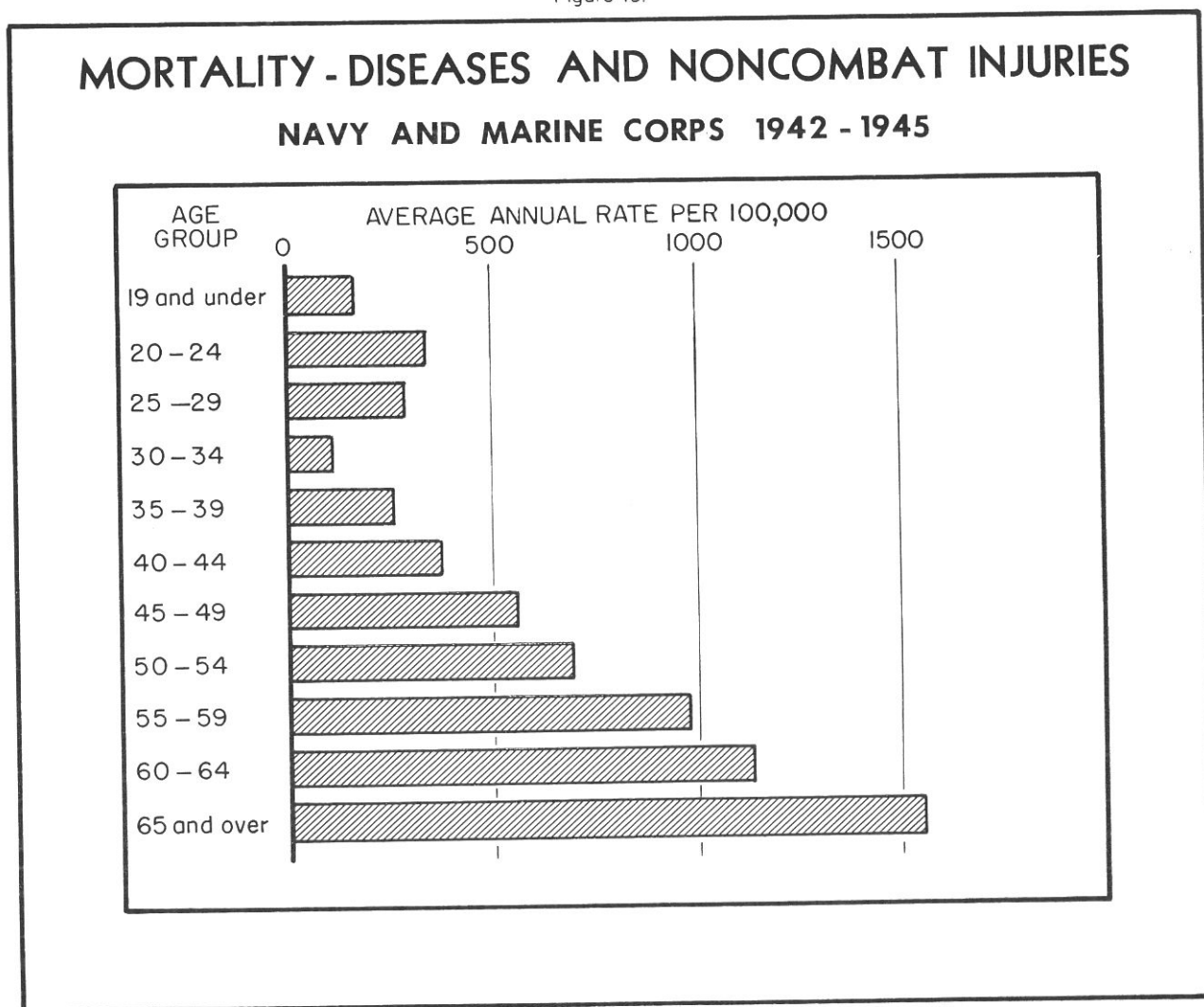
poisonings played a greater part in the total mortality rate for white personnel than for personnel of other races.

If fatalities due to disease only are compared for white and Negro personnel by specific classes of diseases (excluding the other races because of their small numbers) it is found that there was a considerable variation in the importance of classes between the races. For white personnel, the diagnostic class, diseases of the circulatory system, exceeded all other disease classes as a cause of death. This class accounted for almost 25 percent of all the deaths due to disease among white personnel. Less than 10 percent of the disease deaths among Negroes were due to circulatory diseases. On the other hand, tuberculosis, which accounted

for less than 5 percent of all the deaths due to disease among white personnel was the largest single class of diseases responsible for fatalities among Negro personnel, approximately 30 percent of all the disease deaths among Negro personnel being due to tuberculosis. A considerable difference in percentages between the two races was also noted in the tumors class. Of disease deaths among white personnel, about 14 percent were due to tumors as compared to less than 7 percent for this class among Negro personnel.

In appendix tables 5b and 5c, mortality for diseases and noncombat injuries for personnel of the Navy and Marine Corps during World War II are presented by both primary and secondary causes of death. The causes of death were assigned in

Figure 19.



accordance with the Manual of the International List of Causes of Death and Joint Causes of Death. Some explanation of the format of these tables appears necessary:

It will be noted that tables 5b and 5c differ in format from other material published on deaths. Death tables as usually published include the single condition determined as being the primary (prin-

cipal, main, or underlying) cause of death. In table 12, for example, the whole is equal to the sum of all its parts, the total number of deaths and total rate being the sum of the numbers and rates for individual conditions.

Where only a single cause of death is reported, no difficulty ensues in the preparation and interpretation of the data. When more than one cause is re-

TABLE 13.—*Number of deaths (noncombat) and specific rates¹ in each age group, Navy and Marine Corps: 1942-45*

Age group	Total		Officers				Enlisted			
	Number	Rate	Navy		Marine Corps		Navy		Marine Corps	
			Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total.....	27,707	278.0	5,946	617.7	1,315	1,777.2	17,672	231.9	2,774	218.3
Under 20.....	4,228	168.5	58	142.4	6	137.5	3,700	171.4	464	151.8
20-24.....	13,006	344.1	2,976	1,400.0	875	1,980.7	7,612	264.6	1,543	238.5
25-29.....	5,031	290.2	1,639	624.3	286	864.0	2,658	212.7	448	238.1
30-34.....	2,120	209.8	394	210.5	35	308.0	1,529	207.6	162	215.2
35-39.....	1,428	257.9	274	215.3	31	428.2	1,059	272.0	64	215.0
40-44.....	826	376.2	201	296.6	22	423.5	560	420.9	43	316.8
45-49.....	544	555.4	171	474.1	23	614.3	321	637.6	29	371.8
50-54.....	268	698.1	99	601.6	20	1,204.8	137	779.7	12	443.6
55-59.....	154	982.2	76	1,032.2	13	2,181.2	58	815.9	7	1,145.7
60-64.....	76	1,134.3	42	1,153.8	4	1,492.5	28	1,044.8	2	1,785.7
65 and over.....	26	1,562.5	16	1,462.5	.....	0	10	1,754.4	.....	0

¹ Average annual rate per 100,000 strength in each specified group.

TABLE 14.—*Deaths (noncombat), Navy and Marine Corps: 1942-45*

Type of service	Total		1942		1943		1944		1945	
	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000	Number	Average annual rate per 100,000
Total, Navy and Marine Corps...	27,707	278.0	2,540	304.3	6,981	331.1	10,308	307.7	7,878	214.4
Navy.....	23,618	275.1	2,159	316.0	5,841	326.1	8,770	302.9	6,848	213.1
Marine Corps.....	4,089	295.8	381	251.6	1,140	359.5	1,538	338.6	1,030	224.1
Total, officers.....	7,261	675.8	681	793.9	2,066	802.1	2,521	715.8	1,993	526.1
Navy.....	5,946	617.7	593	760.0	1,666	724.2	2,003	642.0	1,684	491.6
Marine Corps.....	1,315	1,177.2	88	1,135.5	400	1,453.4	518	1,288.9	309	852.5
Total, enlisted.....	20,446	229.9	1,859	248.2	4,915	265.6	7,787	259.8	5,885	178.6
Navy.....	17,672	231.9	1,566	258.8	4,175	267.4	6,767	261.9	5,164	179.8
Marine Corps.....	2,774	218.3	293	203.9	740	255.5	1,020	246.3	721	170.3

ported on the death certificate, however, the tabulation of only one of the causes gives an incomplete picture. It therefore appears desirable to show in one table all of the diagnoses to which deaths were ascribed as either a primary or as a secondary cause. The tables 5b and 5c are designed to present this type of information.

Tables 5b and 5c are essentially a composite of

two tables. The first component is the usual type of "primary cause" table, reflecting the number of persons who died and in which each death is counted once. The second component is an additional table, which covers the most important diagnoses other than the primary cause of death which was listed on the death certificate as contributing to the death. The material in this por-

tion of the tables does not represent additional deaths but only additional diagnoses. The second component is interlined with the first so that the total for a given diagnosis as the primary cause of death is immediately followed by an entry, indicated by superior figures giving the figure for the secondary cause. Taken together, the two figures for a diagnosis reflect the total mortality force of that condition.

The consideration of a condition as both a secondary and a primary cause of death brings to light facts that are obscure if only the primary cause of

death is examined. For instance, peritonitis, general, acute accounted for 16 deaths as a primary cause, but was reported as a secondary cause in 258 cases. In evaluating the influence of peritonitis on mortality it seems clear that the data for both primary and secondary causes need to be considered.

Appendix table 5d is an abridged table presenting certain selected diagnoses where secondary causes of death were important. Only those diagnoses were selected for which considerable numbers of secondary causes were reported.

Detailed Discussion of Diseases and Noncombat Injuries

The following pages present a discussion of diseases and noncombat injuries in the Navy and Marine Corps during World War II. For the purpose of organization of the material, the discussion will follow the class order of the detailed appendix tables included at the end of this section. No attempt will be made to include all of the details in each class; rather the commentary will follow the highlights in each class, with more detailed data concerning only the more outstanding diagnoses. References will be made throughout to appendix tables 1 and 2, which summarize all of the data.

Departures from strict class lines have been necessary in the discussion in a few instances. For example, diagnoses making up the various "tropical diseases" which played such an important role in World War II are separated into several different classes and in order to bring these diagnoses together for study all of the diagnoses in the group were discussed with Class X (communicable diseases transmissible by insects and arthropods) where the majority of the cases were included, regardless of class. However, it should be kept in mind that this has been done in the following presentation only; the detailed appendix tables include the various diagnoses involved in their customary places in the groups in which they belong.

In most instances the discussion has been limited to the 4 war years only. However, in a number of cases, where it was particularly pertinent to present comparisons, data have also been included for the immediate prewar years and for World War I. It

is recognized, of course, that in almost all of the classes there were differences in incidence rates, invalidings from the service, and so forth, between the immediate prewar period and the war period, due to the rapid mobilization of personnel and the large numbers involved creating conditions vastly different from those under which the Navy operated in peacetime. However, comparisons have not been drawn in every case, but only in those where comparative data were necessary to a better understanding of the picture.

There are certain basic facts which concern the appendix tables and the following text which should be mentioned since they are common to almost all of the classes and diagnoses. One of these is as regards those cases which had existed prior to the person's entry into the naval service (EPTE's). Due to the pressure of mobilization in World War II, there were considerably greater proportions of persons who were admitted with conditions which had existed prior to their entry than there were in previous years. In appendix table 1 it may be noted that there is a separate column for these EPTE cases. In a large number of cases, personnel with certain of these conditions (depending upon the nature of the ailment) were discharged from the service shortly after their entry, either by invalidings or by administrative discharges.

One other fact which is basic to the understanding of the tables concerns discharges (both for EPTE cases and other cases). Persons on the sick list may be discharged by being either invalidated

from the service or by administrative discharge. Those who received administrative discharges were disposed of from the sick list as having been returned to duty and were subsequently discharged from a duty status. Thus, it should be kept in mind that the "returned to duty" column in appendix table 1 actually includes some persons who were returned to duty in order to be administratively discharged from the service. While this

pertains to all of the diagnoses to a certain extent, some are affected more than others.

Wherever the source of the data used in the following text differs from the source for appendix tables 1 and 2 (as special registers, health records, and so forth), these are mentioned specifically in the discussion. Where incidence rates for the war period are quoted, the figures are the average annual incidence rates for the period 1942-45.

TABLE 15.—Incidence, sick days, deaths, and invalidings from service for diseases of blood, Navy and Marine Corps: 1942-45

Diagnosis	Incidence				Sick days		Deaths		Invalidings from service	
	Total		EPTE ¹	Other	Number	Average per case	Number	Fatality rate per 100 cases	Number	Rate per 1,000 cases
	Number	Average annual rate per 100,000								
Total.....	11,095	111.3	381	10,714	309,554	27.9	263	2.4	384	34.6
Anemia, pernicious.....	98	1.0	21	77	9,139	93.2	2	2.0	44	449.0
Anemia, secondary.....	1,372	13.8	63	1,309	39,546	28.8	0	0	9	6.6
Anemia, sickle cell.....	56	0.6	36	20	4,114	73.5	0	0	41	732.1
Anemia, splenic.....	41	0.4	11	30	3,892	94.9	3	7.3	20	487.8
Anemia, n. e. c.....	303	3.0	30	273	14,589	48.1	23	7.6	15	49.5
Chlorosis.....	6	0.1	.....	6	74	12.3	0	0	.....	0
Granulocytopenia, malignant.....	111	1.1	.....	111	3,964	35.7	25	22.5	2	18.0
Hemophilia.....	61	0.6	61	.....	3,362	55.1	.....	0	42	688.5
Jaundice, hemolytic.....	143	1.4	41	102	7,967	55.7	.....	0	44	307.7
Leukemia, acute.....	176	1.8	6	170	7,508	42.6	158	89.8	6	34.1
Leukemia, chronic.....	106	1.1	10	96	12,766	120.4	29	27.4	54	509.4
Mononucleosis, infectious.....	7,794	78.2	23	7,771	164,020	21.0	.....	0	7	0.9
Polycythemia vera.....	24	0.2	3	21	1,203	50.1	.....	0	4	166.7
Purpura hemorrhagica.....	189	1.9	35	154	10,924	57.8	21	11.1	43	227.5
Purpura rheumatica.....	203	2.0	11	192	12,058	59.4	1	0.5	20	98.5
Purpura simplex.....	305	3.1	17	288	7,794	25.6	1	0.3	13	42.6
Other diseases of this class.....	107	1.1	13	94	6,334	62.0	.....	0	20	186.9

¹ Existed prior to entry into naval service.

CLASS I—DISEASES OF BLOOD

During the war years, diseases of the blood comprised a comparatively infrequently reported group of diagnoses in the Navy and Marine Corps in comparison to other classes. However, it was notable for the high fatality rates and rates of invalidings from the service for some of the diagnoses in the class. Data regarding the incidence, sick days, invalidings from the service, and deaths for the diseases in this class (in somewhat greater detail than is shown in the appendix tables) are presented in tables 15 and 16. The principal diagnosis in the group, which made up more than 70 percent of all the cases was infectious mononucleosis (which might better be classified as a communicable disease). This diagnosis accounted for more than 50

percent of the total sick days amassed by class I but ranked low in the class from the standpoint of severity, the average number of sick days per case, 21.0, being second lowest for all of the diseases. There were no deaths and very few invalidings from the service for this condition (0.1 percent of the cases being invalided). Complications of infectious mononucleosis were rather infrequent too. Only 40 complications were listed for the 7,794 cases in the entire period. These were in the main acute otitis media, postinfective asthenia, acute infectious jaundice, acute hepatitis, tachycardia, and chronic tonsillitis.

The diagnosis with the next highest incidence in class I was secondary anemia, which accounted for 12.4 percent of all the diseases in the class. Among

the diseases more rarely reported, however, which were responsible for very high fatality rates and rates of invalidings from the service were the leukemias, both acute and chronic. The acute form of leukemia accounted for the majority of the deaths in the entire class, with a fatality rate of 89.8 per 100 cases. For the chronic form of leukemia, a fatality rate of 27.4 per 100 cases was reported and a rate of invalidings from the service of 509.4 per 1,000 cases.

Among the diseases of the blood with the highest rate of invalidings from the service per new cases were the anemias: pernicious, which had a rate of invalidings of 449.0 per 1,000 cases, sickle cell with a rate of invalidings of 732.1 per 1,000 cases and splenic with a rate of 487.8. Hemophilia also ranked high in invalidings (688.5 per 1,000 cases) as well as the afore-mentioned chronic leukemia. Chronic leukemia was also responsible for the highest number of sick days per case, with an average of 120.4 sick days per case.

TABLE 16.—*Incidence of diseases of blood by age group and sex, Navy and Marine Corps: 1942-45*

Age group	Men, Navy and Marine Corps ¹		Women, Navy and Marine Corps ²	
	Number of cases	Average annual rate per 100,000	Number of cases	Average annual rate per 100,000
All ages,	10,231	105.4	700	307.7
Under 20,	2,575	103.0	0	0
20-24,	4,989	137.8	457	324.1
25-29,	1,453	86.7	168	306.9
30-34,	572	57.9	49	223.9
35-39,	353	64.7	21	264.4
40-44,	142	65.1	2	146.4
45-49,	82	84.1	1	266.7
50-54,	35	91.5	2	1,212.1
55 and over,	30	125.1	0	0

¹ Excludes general court-martial prisoners 1942 and 1943 and midshipmen 1942-45.

² Excludes nurses 1942.

The distribution of the incidence of diseases of the blood by age group and sex are presented in table 16. It may be noted that the women of the Navy and the Marine Corps had the higher incidence, almost 3 times that of male personnel, an incidence rate of 307.7 per 100,000 strength as against 105.4 for male personnel. The higher incidence of secondary anemia generally found among women was responsible, at least in part, for the difference in the rates. As far as the distribution by age group was concerned, it may be observed that there was no consistent pattern.

CLASS II—DISEASES OF CIRCULATORY SYSTEM

Circulatory system diseases in the Navy during the war were noteworthy because of their high death rates. During this period, there were 63,373 cases of circulatory system conditions, with 1,264 deaths, or an average annual death rate per 100,000 average strength during the period of 12.7. This was the highest death rate recorded during the 4 years for any of the disease classes.

Of the specific diagnoses in the class, thrombosis of the coronary artery accounted for a large proportion of the deaths, 598 deaths or 47.3 percent of the total being due to this cause. Of the 1,516 cases of thrombosis of the coronary artery, in addition to the 598 deaths, there were 393 invalidings from the service resulting in a rate of 259.2 per 1,000 cases and a fatality rate of 39.4 per 100 cases.

Numerically, however, the most important diagnoses were conditions of the veins, i.e., varicose veins, phlebitis, and other diseases of the veins. These conditions were important not only from the standpoint of numbers of cases involved, but they also ranked fairly high in invalidings from the service. There were 1,891 invalidings or a rate of 96.2 per 1,000 cases.

In addition to the loss in manpower to the Navy through invalidings and deaths for diseases of the circulatory system, these conditions also amassed almost 3 million sick days, with an average of 44.1 sick days per case.

CLASS III—DISEASES OF DIGESTIVE SYSTEM

For many years diseases of the digestive system ranked high among the diagnostic classes as a cause of morbidity and sick days in the Navy and Marine Corps. During the war years, there were 403,666 cases of diseases of the digestive system, 33,274 or 8.2 percent of which were determined to have existed prior to the person's entry into the naval service. This class was surpassed in incidence for diseases only by Class VIII (communicable diseases transmissible by oral and nasal discharges) with an incidence rate of 4,050.2 per 100,000 average strength.

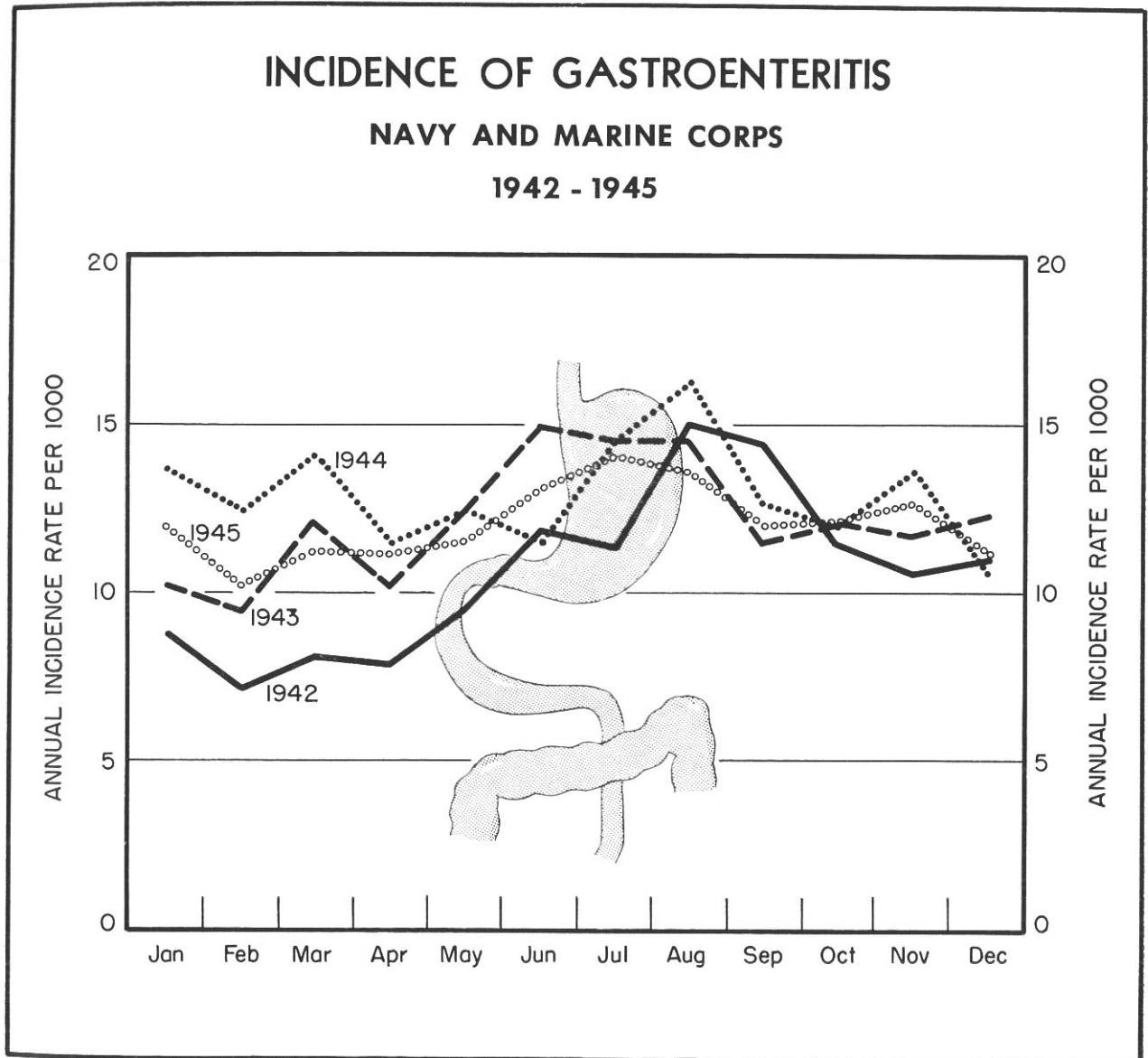
From the standpoint of numbers of cases, the most important diagnoses were gastroenteritis and appendicitis (acute and chronic). During the period there were 123,236 cases of gastroenteritis and 98,225 cases of appendicitis (including both acute and chronic).

It should be pointed out in attempting to interpret the figures for gastroenteritis that the diagnosis acute gastroenteritis as used here does not include any of the enteric disturbances diagnosed as food infection, food intoxication, bacterial food poisoning, or allergy and does not include any of the dysenteries, i.e., bacillary, balantidic, amebic, or unclassified. It should also be mentioned that the figures indicate a somewhat lower level of incidence than was actually experienced, since nu-

merous cases of acute gastroenteritis were of so mild a nature that the patient was not kept on the sick list for more than a day and was consequently not reported.

The change from a peacetime to a wartime status has frequently been associated with a change in sanitation and living conditions such as would lead to an increase in the incidence of gastroenteritis. However, the incidence rates experienced during this war were only very slightly higher than in the

Figure 20.



prewar period, reflecting the effort expended by the Medical Department to prevent the occurrence of unsanitary conditions. The average number of sick days per case was slightly lower during the war years than in the prewar period.

The great majority of the gastroenteritis cases were returned to duty, while in only very few cases was the disposition recorded as a change of diagnosis. This illustrates the comparative rarity of complications of acute gastroenteritis, the few reported sequelae being in the main chronic gastroenteritis and chronic colitis.

A seasonal trend was noted for gastroenteritis during the war period. In each of the years during the war, the rates increased with the advent of warm weather and reached their peak in the late summer months. This trend may be observed in figure 20.

That acute appendicitis was a diagnosis of no small importance to the Navy during the war can best be demonstrated by the fact that during this period acute appendicitis ranked 10th in incidence for all diseases, accounting for 1.6 percent of all the diseases reported, and 12th in the number of sick days accumulated. As a cause of death during these same years acute appendicitis was even more outstanding, ranking 4th among the leading causes of mortality for disease and accounting for 4.5 percent of all the deaths due to disease during the period. However, while accounting for a considerable number of deaths, appendicitis showed a favorable fatality rate, with only 3 deaths per 1,000 cases.

TABLE 17.—Incidence, sick days, and noneffective rates for appendicitis, acute, Navy and Marine Corps: 1942-45

Year	Incidence					Sick days		Non-effective rate per 100 000
	Total	Average annual rate per 100,000	A	ACD-AD	EPTE	Number	Average per case	
Total.....	84,802	850.8	83,564	989	249	1,724,065	20.3	47.4
1942.....	9,666	1,158.1	9,646	.....	20	203,027	21.0	66.6
1943.....	20,316	963.6	20,234	.....	82	432,413	21.3	56.2
1944.....	28,228	842.7	28,128	1	69	567,723	20.1	46.3
1945.....	26,512	723.8	25,556	988	48	520,902	19.6	38.8

In the 4 years 1942 through 1945, there were 84,802 cases of acute appendicitis occurring in the Navy and Marine Corps, resulting in an average annual rate per 100,000 strength of 850.8. As might be expected, of this number, 98.5 percent were new

admissions, only 249 cases being admitted as EPTE. Detailed data regarding the incidence, sick days, and noneffective rates for acute appendicitis are shown in table 17. It may be noted that a total of 1,724,065 sick days were accumulated by the cases admitted, averaging 20.3 sick days per case during the period.

Of all the cases of acute appendicitis admitted during the war years the majority, more than 93 percent, were returned to duty. Deaths occurred in 239 cases, or 0.3 percent, and invalidings from the service for this condition in 30 cases.

Of the cases of acute and chronic appendicitis combined (of which there were 98,225 during World War II), appendectomies were reported for 88,367 or approximately 90 percent of the cases. Drainage was reported as having been instituted in 302 cases, or 0.3 percent.

One of the more outstanding conditions in Class III during the war period, from the standpoint of general interest, was peptic ulcer. The increase in the incidence of peptic ulcers among military personnel during World War II has already been commented upon many times by various authors. Its increased importance in the Navy and Marine Corps during the war is revealed by its rank among the 25 leading causes of sick days, invalidings from the service, and deaths from disease. For the combined 4-year period, it ranked 12th in sick days, 6th in invalidings from the service, and 20th in deaths.

The term peptic ulcer as used here includes data under four diagnoses in the Diagnostic Nomenclature of the Medical Department of the Navy: ulcer, duodenum; ulcer, stomach; ulcer, duodenum, perforated; and ulcer, stomach, perforated. During the war years 1 perforated ulcer was reported for approximately 21 unperforated.

The average incidence rate for peptic ulcer during World War II was more than 3 times that of World War I, 217.8 per 100,000 strength as compared to 64.7. For certain diseases, improved methods of diagnosis during World War II resulted in an increase in incidence. It is true that chronic gastritis was diagnosed more frequently in proportion to peptic ulcer in the First World War than in the Second. However, this factor could not in itself account for the observed difference in rates between World Wars I and II.

From 1942 on, due to the rapid expansion of the

Navy, the EPTE cases of peptic ulcer increased considerably. There were 7,886 cases of peptic ulcer in the years 1942 through 1945 which had existed prior to entry into the naval service, 59.0 percent of which were subsequently invalidated from the service.

One of the most discouraging features in the treatment of peptic ulcer is its recurrence. The percentage of readmissions to those returned to duty varied from 29.7 percent in 1942 to 58.2 percent in 1945.

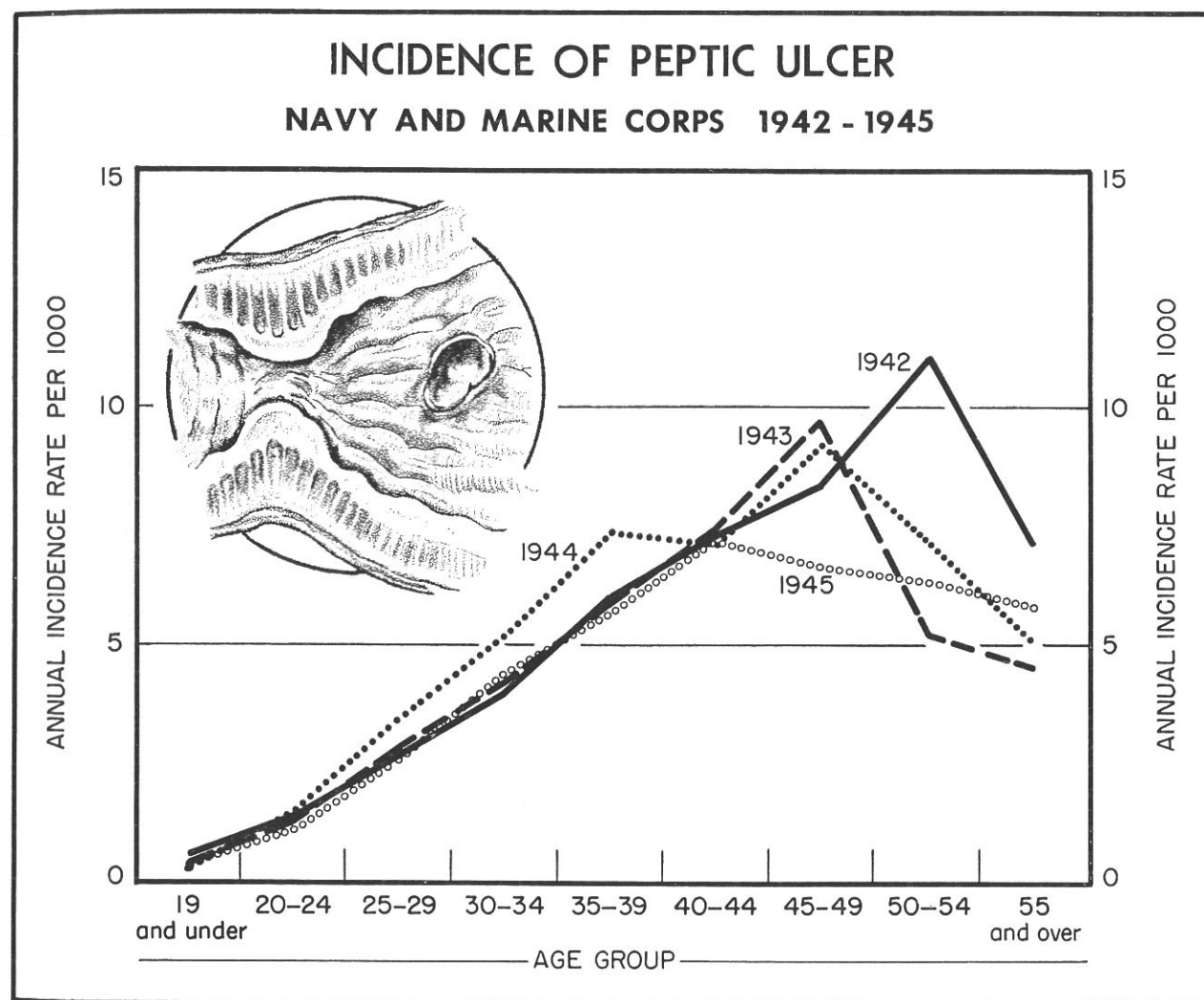
Table 18 shows a percentage distribution and rate of recurrence of peptic ulcer by age groups. From examination of the readmission rates, it is obvious that recurrences for peptic ulcers increased rapidly with age. The highest readmission rate

occurred in the 45- to 49-year age group, with a slight decrease evidenced in the two succeeding groups.

TABLE 18.—Readmissions for peptic ulcer by age groups, Navy and Marine Corps: 1942-45

Age group	Readmissions	
	Number	Average annual rate per 100,000
Total.....	5,385	51.0
19 and under.....	115	4.6
20-24.....	1,173	31.0
25-29.....	1,271	73.3
30-34.....	1,040	102.9
35-39.....	870	157.1
40-44.....	513	233.6
45-49.....	264	269.5
50-54.....	86	224.0
55 and over.....	53	220.4

Figure 21.



An interesting distribution of incidence rates for 1942 through 1945 are those by age groups as shown in figure 21. In each of the 4 years the rates increased sharply with age, while the peak rate moved to lower age groups as the war progressed.

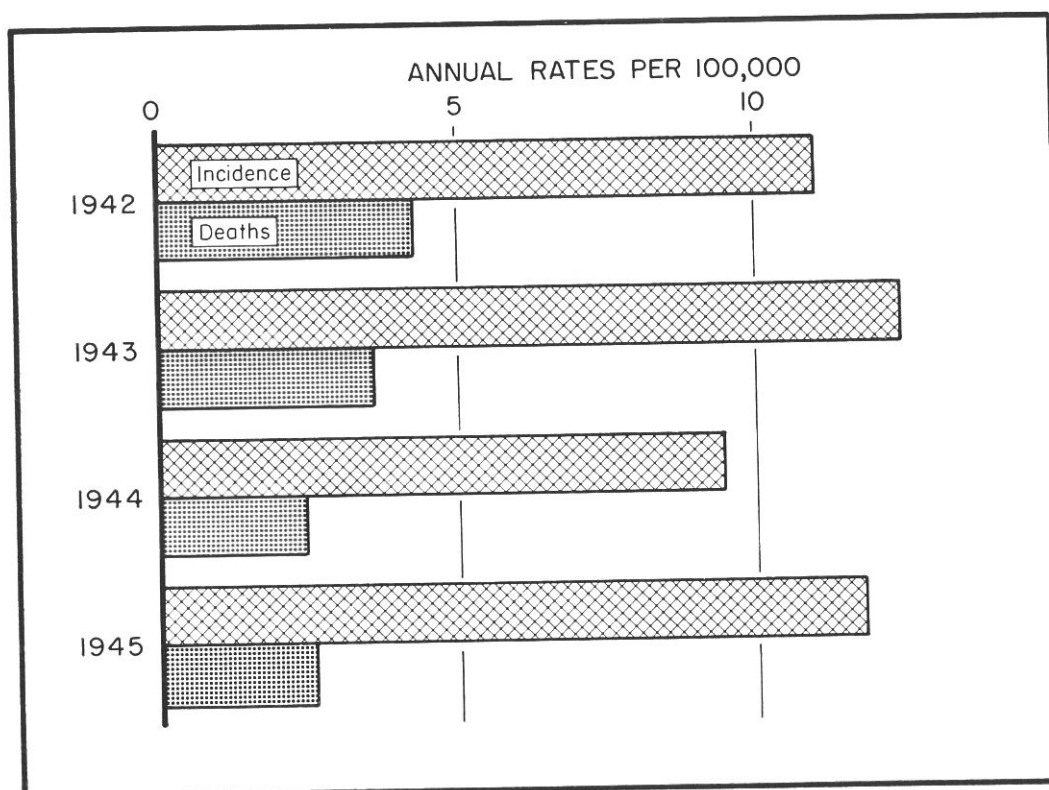
In any discussion of diseases of the digestive system, mention should be made of acute peritonitis. During the war years, with the advent of the newer drugs and the improved methods of treatment, the death rates for this disease declined to 0.2 per 100,000 average strength. There was a total of 1,106 cases of peritonitis reported, however.

CLASS IV—DISEASES OF DUCTLESS GLANDS AND SPLEEN. (ENDOCRINES.)

While the incidence of diseases of the ductless glands and spleen in the Navy and Marine Corps was low in comparison to that of other conditions, it is nevertheless surprising in view of the careful screening of recruits at induction centers that so many cases of these conditions were reported during the war years. During these years, there were 5,518 cases of diseases of the ductless glands and spleen, 1,599 or 29.0 percent of which were listed as having existed prior to the person's entry into the naval service, (EPTE's), and 3,919 which were reported as having originated in the service.

Figure 22

INCIDENCE AND DEATHS - PERITONITIS, ACUTE NAVY AND MARINE CORPS 1942 - 1945



Of the various diseases of the ductless glands and spleen, diabetes mellitus was, numerically speaking, the most important, accounting for 2,350 cases or 42.6 percent of the total. In addition, goiter (all types) accounted for 18.2 percent of all the cases reported. Of the 2,350 cases of diabetes mellitus which occurred in the 4-year period, 556 or 23.7 percent were listed as having existed prior to the person's entry into the naval service and of the 1,005 cases of goiter, 328 or 32.6 percent were determined to have existed prior to entry.

Of the three specific types of goiter listed, the adenomatous type occurred most frequently, accounting for more than two-thirds of all the goiters reported. Simple goiter ranked next in number, being responsible for 19.5 percent and exophthalmic goiter for an additional 15.8 percent. Of these diagnoses it was determined that simple goiter existed prior to the person's entry into the naval service in 48.0 percent of the cases, exophthalmic goiter in 30.8 percent, and adenomatous goiter in 29.1 percent of the cases.

Figure 23.

DISEASES OF DUCTLESS GLANDS AND SPLEEN

NAVY AND MARINE CORPS

1942 - 1945

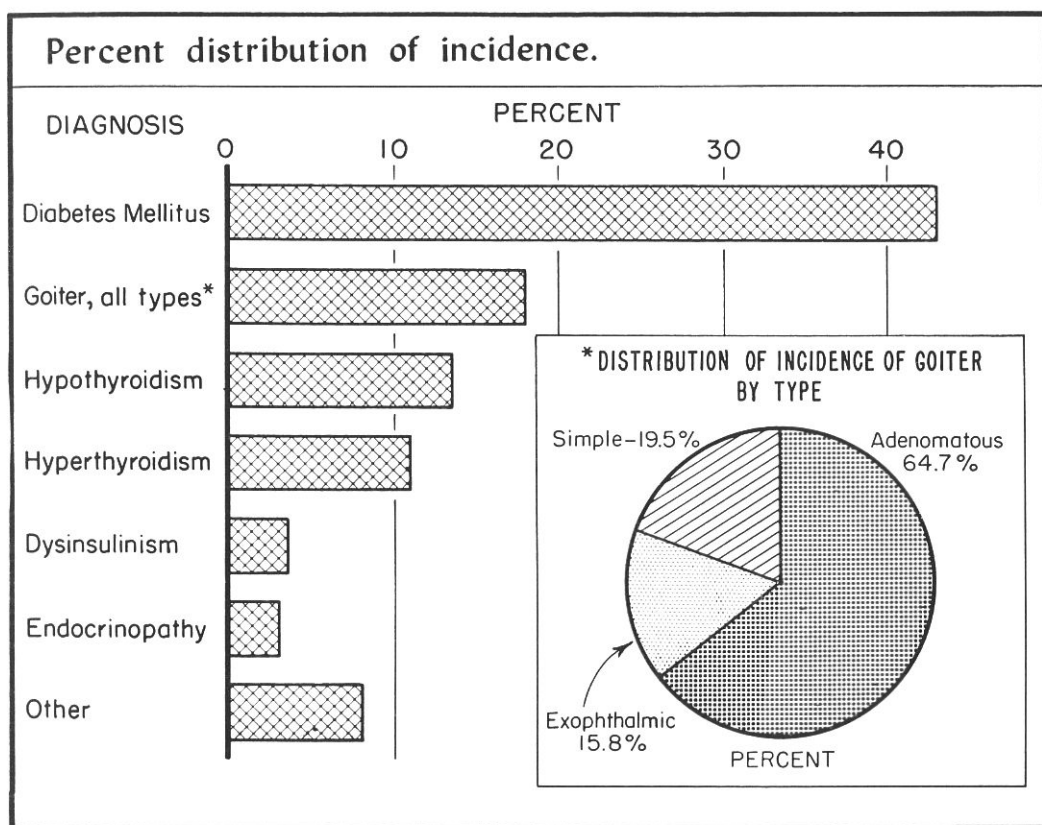
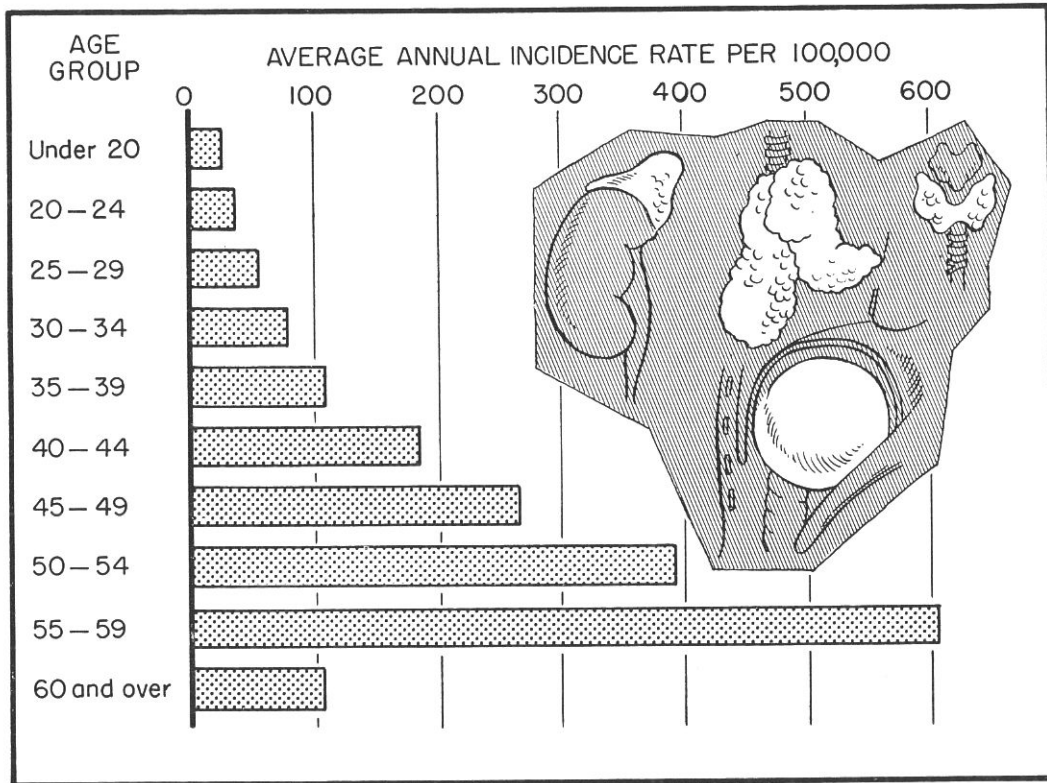


Figure 24.

DISEASES OF DUCTLESS GLANDS AND SPLEEN NAVY AND MARINE CORPS 1942 - 1945



During the period, there were 344,544 sick days accumulated for the 5,518 cases of diseases of the ductless glands and spleen, resulting in an average of 62.4 sick days per case for all the conditions in this class. The highest average number of sick days per case, 96.4, was reported for acromegalia. Hyperparathyroidism, Addison's disease, and exophthalmic goiter all ranked high in sick days per case, each of these conditions having an average of over 85 sick days per case.

The incidence rate for the entire class of diseases of the ductless glands and spleen decreased slightly from 1942 through 1945. In 1942 the incidence rate was 67.0 per 100,000 average strength. This decreased to 56.3 in 1943, 54.8 in 1944, and 52.6 in

1945. The higher incidence rates reported for 1942 and 1943 were probably due to the inclusion of personnel in whom the condition existed prior to entry into the naval service. As has been mentioned previously, with the rapid mobilization of personnel in the early days of the war, numerous persons were admitted with conditions for which treatment was required later. There was also a slightly higher rate of invalidings from the service in the year 1942 in comparison to the later years of the war, reflecting the discharges of some of these persons.

The incidence of diseases of the ductless glands and spleen by the various age groups represented in the Navy may be observed in table 19. It is obvious from examination of the incidence rates

for these conditions that diseases of the ductless glands and spleen were primarily diseases of the older age groups, the incidence increasing consistently with age, until the 55- to 59-year group.

TABLE 19.—Incidence of diseases of ductless glands and spleen by age group, Navy and Marine Corps: 1942-45 combined

Age group	Incidence	
	Number of cases ¹	Average annual rate per 100,000
All ages	5,262	52.8
Under 20	629	25.1
20-24	1,377	36.4
25-29	946	54.6
30-34	790	78.2
35-39	605	109.3
40-44	403	183.5
45-49	258	263.4
50-54	150	390.7
55-59	95	605.9
60 and over	9	107.6

¹ Includes New Admissions (A's) in 1942 only.

CLASS V—DISEASES OF EAR, NOSE, AND THROAT

During the war years, diseases of the ear, nose, and throat were responsible for a large number of cases, as well as a high rate of invalidings from the service. During the period, there were 280,947 cases of these diseases, 186,082 admitted as A, 77,868 admitted as EPTE, and 16,997 admitted as ACD and AD. Almost 4½ million sick days were accumulated by these cases, an average of 15.9 sick days per case. There were 15,534 invalidings from the service, the majority of these being for otitis media, chronic, which alone was responsible for 7,132 invalidings in this class, or 45.9 percent of the total. The largest number of cases in the class was for chronic tonsillitis, which alone accounted for 101,641 cases, 45,890 or 45.1 percent of which were considered to have existed prior to the person's entry into the naval service.

It should be pointed out that the definition of deafness as reported and shown in the appendix tables includes any impairment of hearing regardless of the degree. Therefore, while there were 3,682 cases of unilateral deafness and 6,084 cases of bilateral deafness reported in appendix table 1 as having occurred during the war, this should be interpreted as being not actually the count of "deafness" as it is usually considered, but the count of cases of "impaired hearing." It may be noted that large numbers of these persons with "impaired hearing" listed under either of the diagnoses unilateral or bilateral deafness were in-

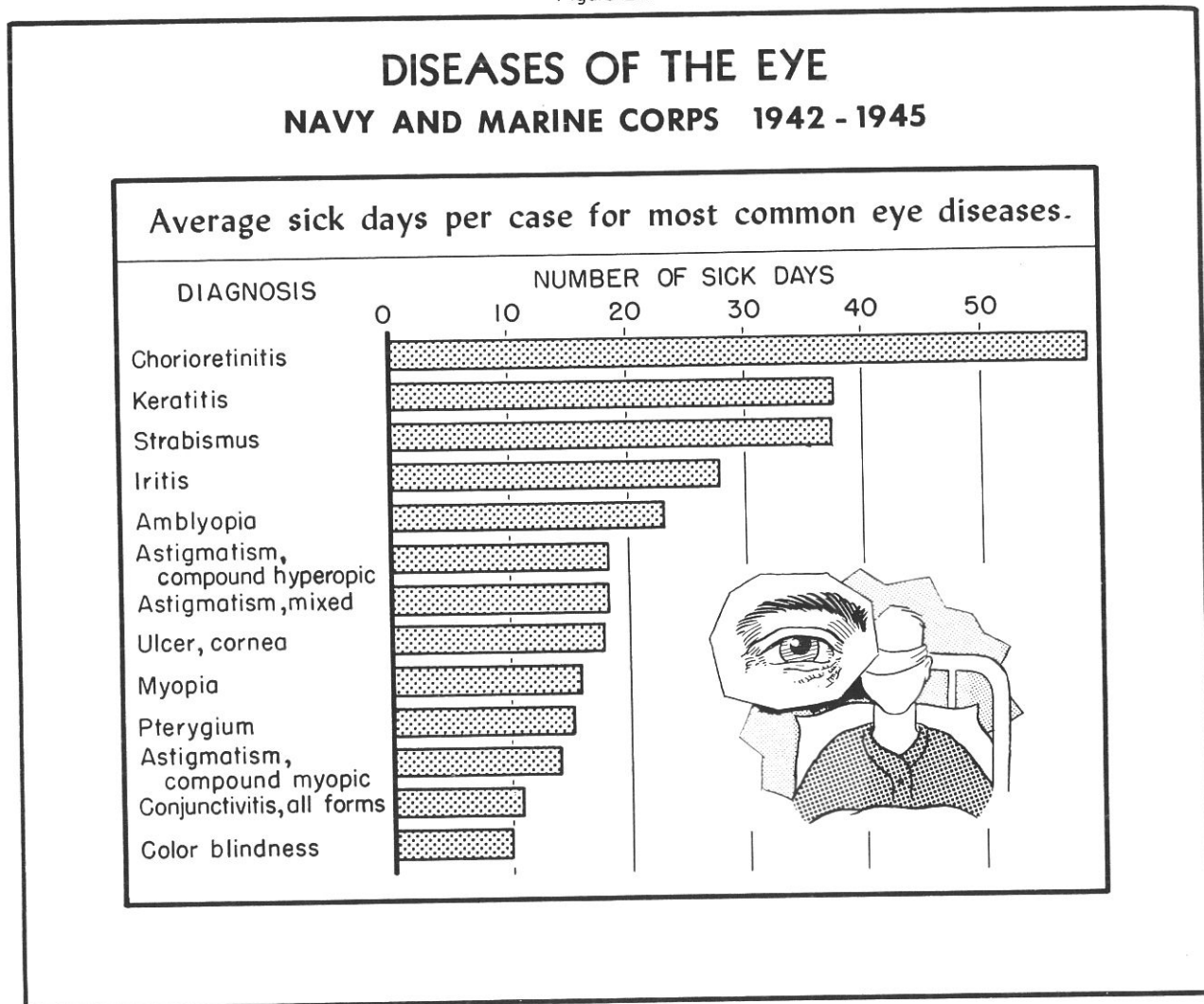
valided from the service, 2,130 for unilateral deafness and 3,809 for bilateral.

Despite the widespread use of the newer drugs in the war years, which might have been expected to reduce the incidence of acute mastoiditis to a minimum, this infection continued to be reported frequently. During the war there were 1,956 cases of acute mastoiditis reported in the Navy and Marine Corps (as well as 858 cases of chronic mastoiditis). Of the cases of acute mastoiditis a majority were admitted as A, 972 cases being admitted thus, and 963 cases were admitted by the ACD-AD method. Of this last group, the overwhelming majority (915) were ACD cases, or complications of other diseases. The highest incidence rates during the war period and, in fact, the highest reported in a 10-year period, were reported in 1943 and 1944, when rates of 25.4 and 28.0 per 100,000 were indicated. There was a subsequent sharp decrease to 10.2 in 1945. In view of the improved methods of treatment and the extensive use of the newer drugs during the war years, it is surprising that the incidence of this infection should have increased rather than decreased during those years.

Of all the cases of acute mastoiditis reported in the war years, 915 or 46.8 percent were admitted originally with another diagnosis, the mastoid infection appearing subsequently as a complication or sequela. As might be expected, upper respiratory infections and other diseases of the ear, nose, and throat were almost wholly responsible for this complication. Examination of the primary diagnoses of which acute mastoiditis appeared as a complication or sequela revealed that acute otitis media was by far the single diagnosis responsible for the highest frequency of mastoiditis. Other diagnoses of which acute mastoiditis appeared as a complication included chronic otitis media; scarlet fever; acute catarrhal fever; measles; otitis externa; broncho-, lobar, and atypical pneumonia; acute and chronic tonsillitis; maxillary sinusitis; acute pharyngitis; abscess; pansinusitis; german measles; mumps; septic sore throat; cerebrospinal fever, meningococcic; and intracranial injury.

From the Form P (Report of Surgical Operations), it was indicated that during the war period, there were 1,594 mastoidectomies performed. These operations, however, were performed for both acute and chronic mastoiditis, no separation between the operations for each type of the disease being pos-

Figure 25.



sible. Based upon the assumption that only one mastoidectomy was performed for each reported case of mastoiditis, either acute or chronic, the total number of operations during the period represents over 50 percent of the case incidence of the disease. This percentage, however, should be regarded as only an approximation in view of the fact that more than one operation is possible for each case of mastoiditis. Nevertheless, there was a sharp drop in the number of mastoidectomies performed during the war years in relation to the number of cases of mastoiditis, this decrease being undoubtedly closely associated with the widespread use of the sulfonamides during the war.

Among the principal complications of acute mastoiditis were otitis media, acute and chronic; men-

ingitis, cerebrospinal, acute; abscess, brain; paralysis, facial nerve; mastoiditis, chronic; thrombosis, lateral, cavernous, or transverse sinus; and thrombosis, cerebral. In addition there were also deafness, unilateral and bilateral.

The diagnosis sinusitis also accounted for a considerable number of cases on the sick list in the class of diseases of the ear, nose, and throat. Included in the term "sinusitis" as used here are data recorded under the following five titles in the Navy Diagnostic Nomenclature: sinusitis, ethmoidal, frontal, maxillary, and sphenoidal, and pansinusitis. The great majority of the cases were new admissions (A), but there were also considerable numbers of cases admitted as EPTE. Of those cases which were admitted as complications or sequelae of other

conditions, a study revealed the fact that the principal diagnoses of which sinusitis appeared as a complication or a sequela were acute catarrhal fever, scarlet fever, acute pharyngitis, tonsillitis, pneumonia, measles, and german measles.

While the majority of the cases of sinusitis were returned to duty, some of them resulted in complications for which they were continued on the sick list. The major complications for which sinusitis cases were continued on the sick list were acute otitis media, abscess, cellulitis, meningitis, and osteomyelitis.

CLASS VI—DISEASES OF EYE AND ADNEXA

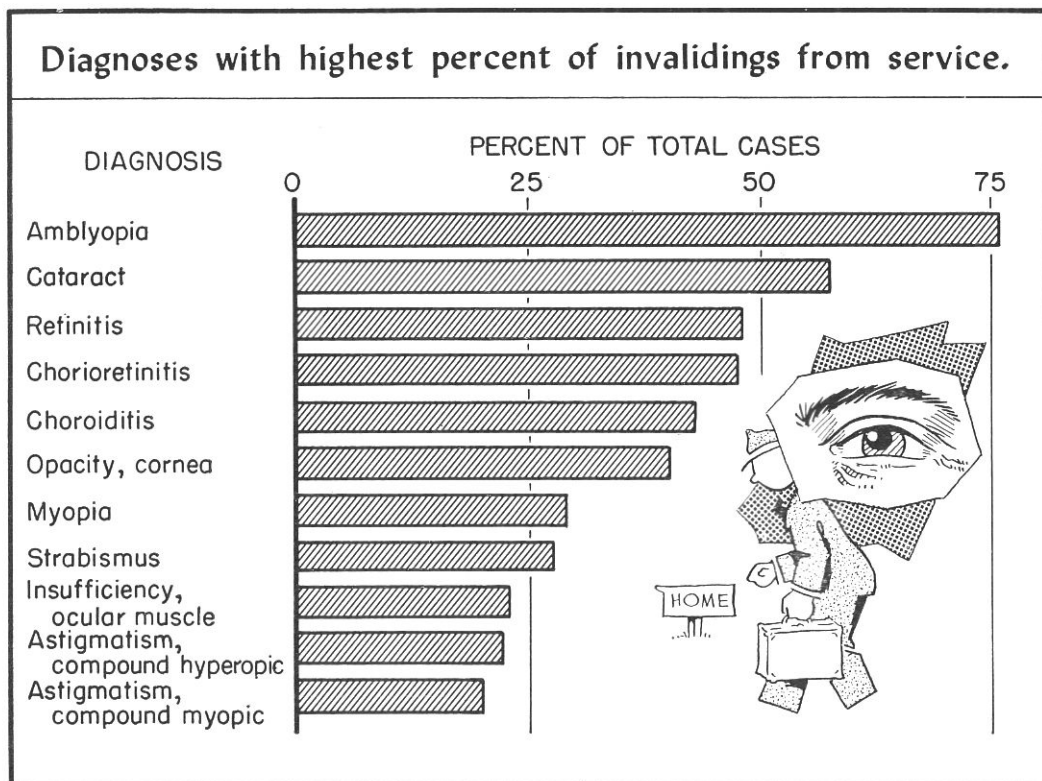
During the war, diseases of the eye and adnexa were responsible for 58,972 cases on the sick list. Of these, a large proportion, 20,648 or 35.0 percent

were conditions which existed prior to entry into the naval service. In 3,068, or a little over 5 percent of the cases, the conditions were either complications or sequelae of other conditions or additional diagnoses for persons who were already on the sick list. Invalidings from the service occurred in 11,228 or 19.0 percent of the cases. There were no deaths for any of the eye conditions.

It should be pointed out that injuries to the eye were not included in this class. Also the incidence of blindness, both unilateral and bilateral as reported in appendix table 1 is incomplete due to the fact that certain cases of blindness were carried under diagnoses which were the cause of the blindness and were therefore not reported under the diagnosis "blindness."

Figure 26.

DISEASES OF THE EYE NAVY AND MARINE CORPS 1942 - 1945



As may be observed in the appendix tables, conjunctivitis was the ranking diagnosis in incidence, 30.3 percent of all the diseases of the eye and adnexa being some kind of inflammation of the conjunctiva. Actually, of all the inflammations of the conjunctiva, catarrhal conjunctivitis was the type most frequently reported. Astigmatism of all types ranked next highest in incidence, followed by amblyopia. This last diagnosis was outstanding because of the high percentage of cases of amblyopia invalidated from the service. An average of 75.5 percent of all the cases of amblyopia during the war years were invalidated from the service. Of the 4,885 cases of this condition reported during the war years, the great majority, 4,090 or 83.7 percent were those which were deemed to have existed prior to the person's entry into the naval service.

CLASS VII—DISEASES OF GENITOURINARY SYSTEM (NONVENEREAL)

Diseases of the genitourinary system (other than venereal) accounted for 197,271 cases on the sick list during the war years. Of this number, a large percentage, 81,689 or more than 40 percent were conditions which were determined as having existed prior to the person's entry into the naval service. Deaths occurred in 163 cases and invalidings from the service in 3,636 cases or 1.8 percent of all the conditions. This class includes, as well as some fairly minor conditions, some more serious ones. One of the more serious conditions was nephritis, which accounted for 134 deaths in the class, or more than 80 percent of the 163 reported for the entire class. Of the 3,265 cases of nephritis on the sick list, 579 or 17.7 percent had existed prior to the person's entry into the naval service, and 366 were complications or sequelae of other conditions. Invalidings from the service for this condition ran high, 930 of the cases having been invalidated from the service, resulting in a rate of invalidings of 284.8 per 1,000 new cases. Readmissions occurred in 306 cases or almost 10 percent of all the cases of this condition.

Another of the conditions of the kidneys which resulted in a large number of sick days (an average of 67.1 sick days per case) and a fairly high rate of invalidings from the service, was hydronephrosis. There were 1,516 cases of this condition during World War II, 504 or 33.2 percent of which had existed prior to the person's entry into the naval service. Readmissions for this condition were more frequent than for nephritis, 17.5 percent of all the

cases on the sick list being readmitted during the 4 years. Complications or sequelae of hydronephrosis included absence acquired, kidney, which was the most frequently reported complication; pyelonephritis; epididymitis, acute nonvenereal; atelectasis; deformity acquired, kidney; pneumonia, broncho- and lobar; pyonephrosis; and others.

CLASS VIII—COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES

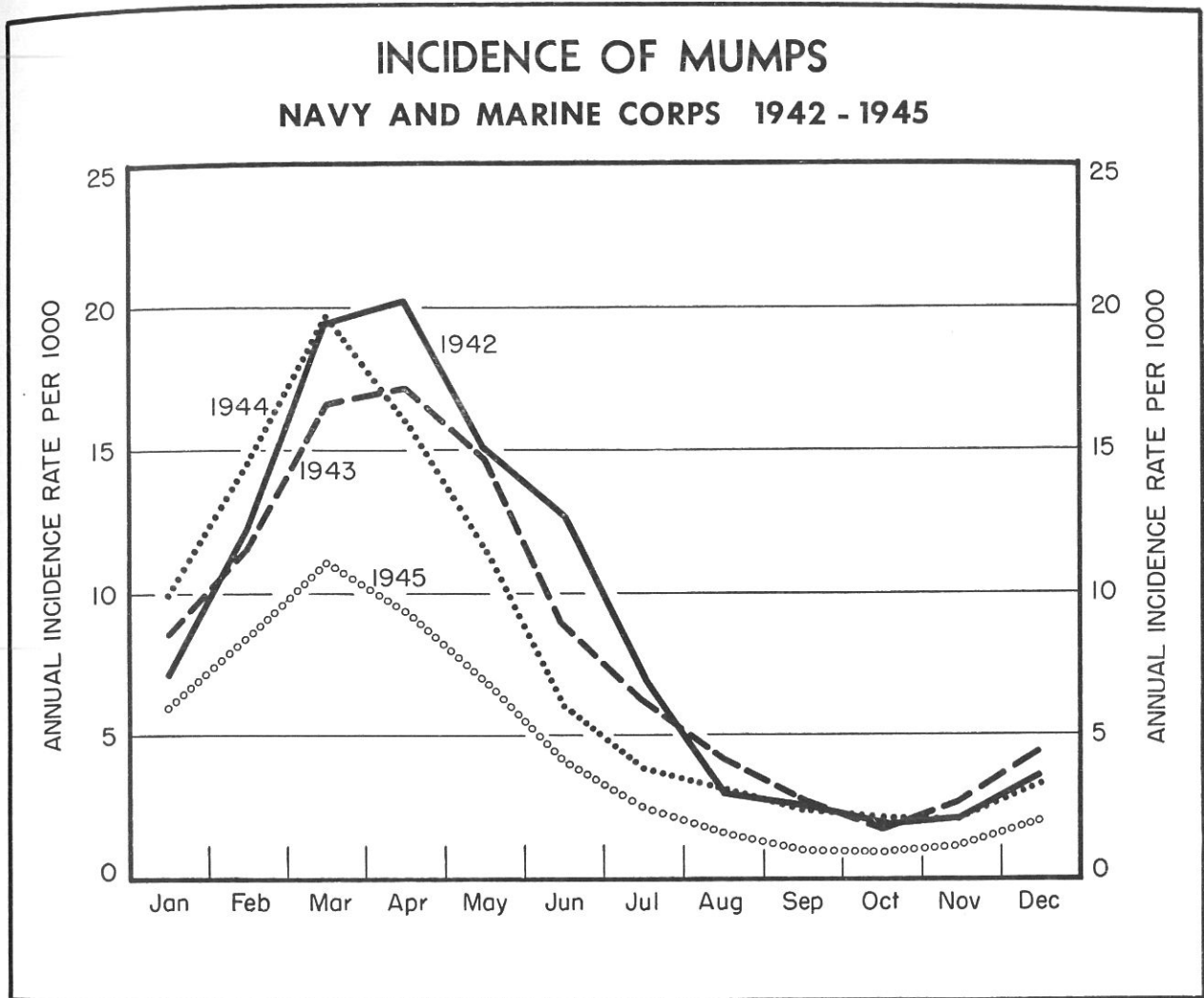
During World War II, Class VIII (communicable diseases transmissible by oral and nasal discharges) was responsible for more cases on the sick list than any other class of diseases or injuries. This class alone was responsible for more than 1½ million cases on the sick list; actually 1,664,173 during the 4 years among Navy and Marine Corps personnel. Of these diseases, as might be expected, the overwhelming majority were new admissions, EPTE's being comparatively negligible here. Deaths occurred in 852 cases, the death rate per 100,000 strength being the second highest of any disease class (second only to diseases of the circulatory system). However, it should be kept in mind that the majority of the deaths were confined to a comparatively few diagnoses.

Of the 852 deaths, 834 or almost 98 percent were due to diseases classed as communicable in standard health department practice, the pneumonias, and cerebrospinal fever, meningococcic being responsible for the greatest number of deaths in this group. Only 18 deaths occurred among the 1,348,416 cases of common infectious diseases of the respiratory type.

During the war period it was observed that recruits at training stations exhibited the highest incidence rates for upper respiratory infections and for certain of the other communicable diseases in class VIII than did any other group in the service. Interest was focused during the last year of the war upon the possible introduction of a vaccine for the prevention of mumps in the Armed Forces, to be used in particular at training stations where this disease presented a problem. With this possibility in view the importance of mumps in the Navy and its cost in noneffective rates and sick days lost was examined.

During the war years, there were 63,863 cases of mumps in the Navy and Marine Corps. From these cases 4,807 complications of mumps were reported. The principle complication was acute or-

Figure 27.



chitis, which occurred in 4,479 cases or 7.0 percent of all the cases of mumps during the period. In addition to orchitis, acute, the various other complications included encephalitis, acute; epididymitis, acute; pneumonia, lobar; abscess, peritonillar; meningitis, cerebrospinal, acute; orchitis, chronic; otitis media, acute; and paralysis, acoustic nerve.

Of the complications of mumps, it was noted that the incidence of acute orchitis and other complications of mumps rose steadily from 1942 until 1945. In 1945, 10.8 percent of all the cases were complicated as compared to 4.5 percent in 1942.

While the incidence of measles did not constitute a serious menace to the health of the Navy, this problem was also a significant one at training centers

during the war. In the period 1942 through 1945, there were 24,694 cases of measles in the Navy and Marine Corps, with an average annual admission rate per 100,000 strength of 247.8. These cases include A's (new admissions) principally, although some few EPTE's were included too.

The incidence rates for measles showed a definite rise in the earlier war years when rapid recruiting resulted in the induction of large numbers of younger men. The peak in incidence was reached in 1942 when the incidence rate was 413.4 per 100,000 average strength. That this disease was particularly prevalent at training centers and that the increase was due to the entrance of recruits was further borne out by the fact that in the peak year, 1942, 47.9 percent of all of the cases of measles re-

ported occurred in persons who had less than 2 months of service in the Navy.

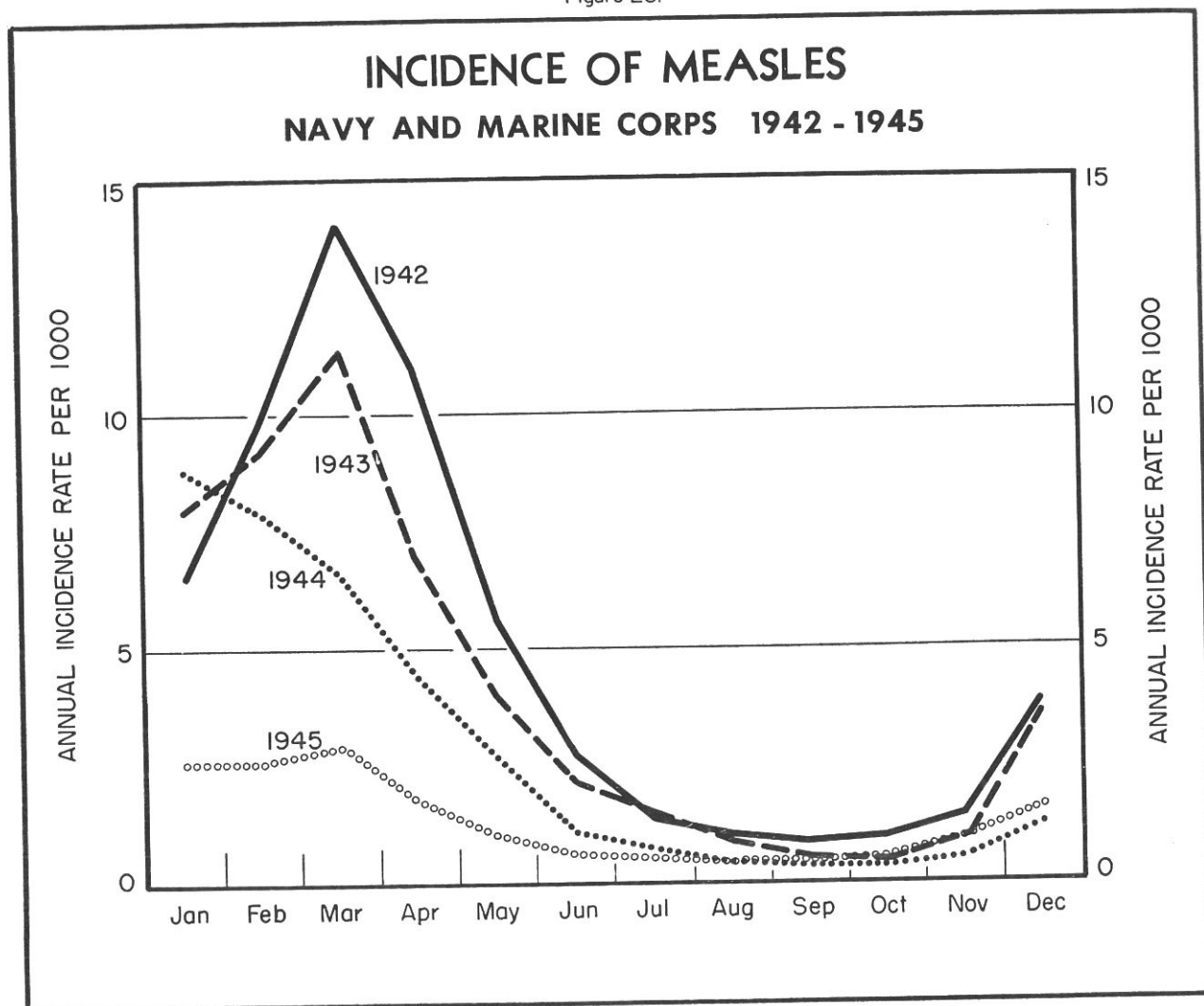
During the period the average number of sick days per case declined from the prewar level. Whether this decline in the average number of sick days per case for the condition was due to a milder form of the disease or a result of improved methods of treatment during the war years, is not apparent from the data.

Any discussion of the incidence of measles must necessarily also take into account the complications of this disease, most of which are considerably more severe than the original condition. During the war years, 1,088 cases of complications of measles were indicated, the principal diagnosis among these being otitis media, acute. Otitis media, acute, accounted for 438 cases or 40.3 percent of the complications

occurring in 1.8 percent of all cases of measles. In addition to otitis media, acute, other complications of measles included pneumonia, broncho-; pneumonia, lobar; encephalitis, acute; laryngitis, acute; bronchitis, acute; sinusitis, maxillary; tonsillitis, acute; cystitis, acute, non-venereal; otitis media, chronic; pansinusitis; pharyngitis, acute; pleurisy, suppurative; rheumatic fever; salpingitis, eustachian, acute; septic sore throat; serum sickness; mastoiditis, acute; and sinusitis, ethmoidal.

During World War II, there were 3,530 cases of cerebrospinal fever, meningococcic, resulting in an incidence rate of 35.4 per 100,000 strength. While there were 168 deaths for this condition, it nevertheless represented an improvement in the fatality rate over that of World War I. The fatality rate

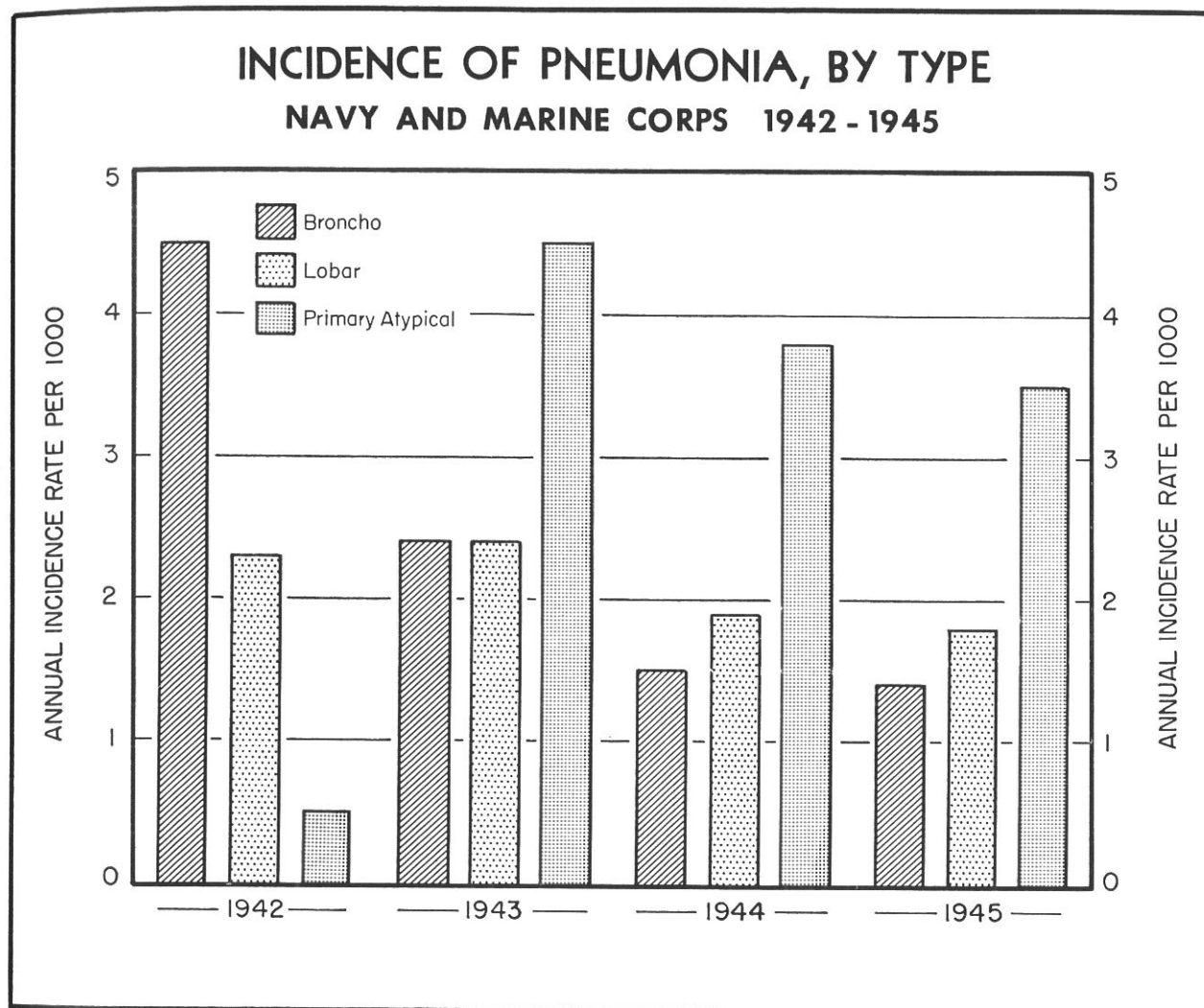
Figure 28.



for cerebrospinal fever in World War II was 4.7 per 100 cases as compared to 32.8 per 100 cases in World War I. Of the 3,530 cases in World War II, 32 or 0.9 percent were invalidated from the service.

seems to have been a tremendous rise in the incidence rate of primary atypical pneumonia in 1943 and the years following was probably due in part simply to greater familiarity with the disease entity.

Figure 29.



The most important diseases in class VIII during the war from the standpoint both of numbers of cases involved and numbers of deaths, were the pneumonias: broncho-, lobar, and primary atypical. The diagnosis primary atypical pneumonia first made its appearance in the Diagnostic Nomenclature of the Medical Department in 1942, and in that first year comparatively few cases were diagnosed as primary atypical pneumonia in comparison to the subsequent years. Consequently, what

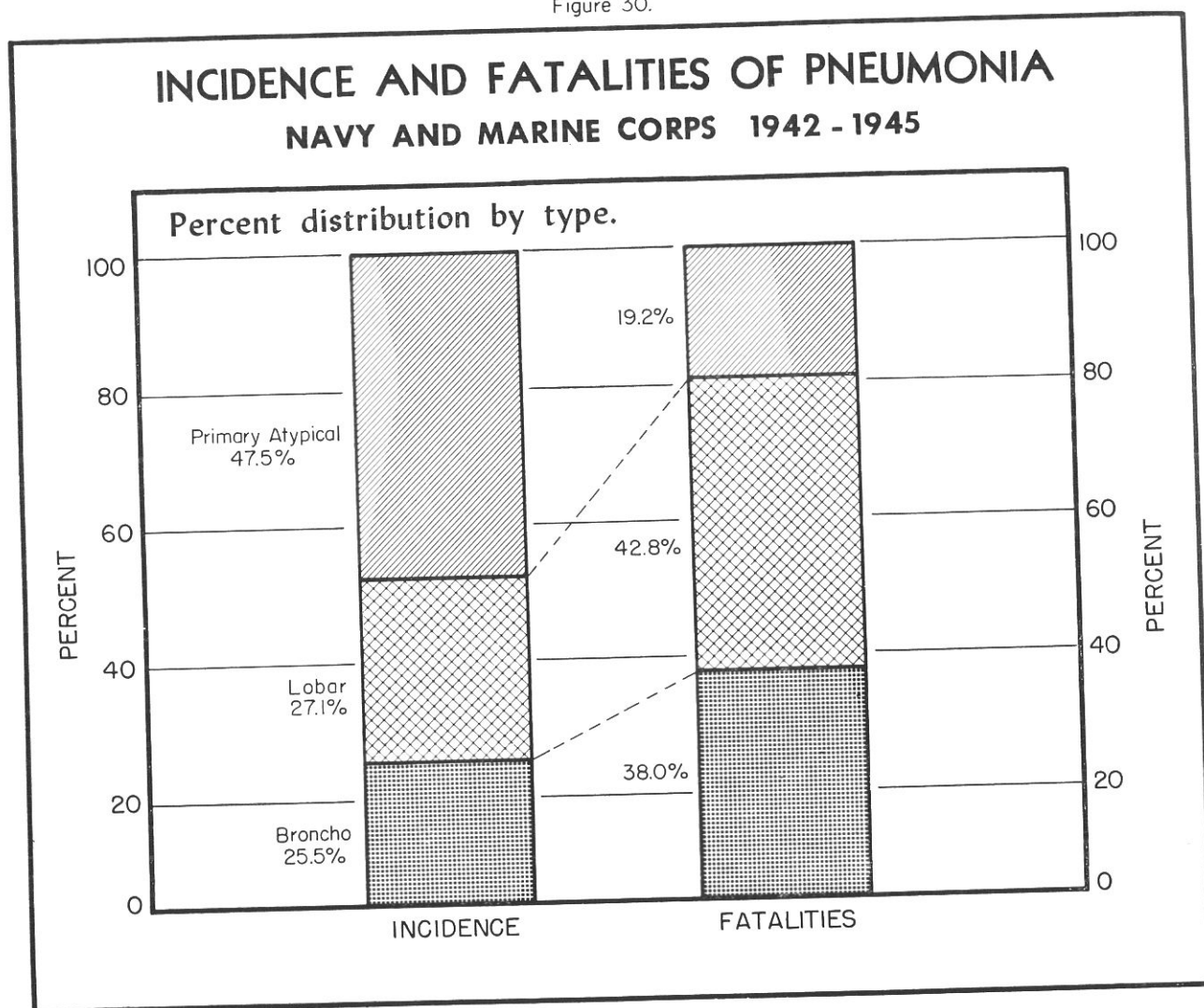
In the 4 years, there were 18,901 cases of broncho-pneumonia, 20,071 cases of lobar pneumonia and 35,202 cases of primary atypical pneumonia. Since its introduction in 1942, this last diagnosis was used with such increasing frequency that by the end of the war it was the most frequently diagnosed type of pneumonia. More than one-half of all the cases by the end of 1945 were diagnosed as primary atypical pneumonia. In comparison to the prewar years, the incidence rates, for all the

three types of pneumonia in the Navy and Marine Corps during the war years, were at a fairly high level. The fatality rates for pneumonia during the war years showed an entirely different pattern. In the 6 years preceding the war, consistent decreases in the fatality rates occurred, coincident with the introduction of the sulfonamides and the newer drugs. For broncho- and lobar cases combined, the fatality rate dropped from more than 20 per 100 cases in 1936 to less than 1 per 100 cases in 1945.

One of the diseases about which much interest centered was acute anterior poliomyelitis. During the war years, there were 536 cases of poliomyelitis among Navy and Marine Corps personnel, the great majority of which occurred in the continental

United States. Of these cases, 83 or 15.5 percent terminated fatally, and 56 or 10.4 percent were invalidated from the service. Of the cases which terminated fatally, the great majority were the bulbar type of poliomyelitis. As might be expected in a disease such as poliomyelitis, sick days per case were very high, more than 100 sick days per case being reported. In general, the incidence of poliomyelitis in the Navy and Marine Corps followed the general trend of that of civilians in the continental United States, the years in which poliomyelitis was particularly high among civilian population in the United States being years in which the incidence of poliomyelitis was also high among the Navy and Marine Corps population.

Figure 30.



It is interesting to note in appendix table 1, that only 8 cases of smallpox developed during the war years among naval personnel. In view of the fact that personnel during the war years were exposed to extremely virulent types of smallpox in certain areas this low number of cases is a very favorable figure and indicative of an effective immunization program.

CLASS IX—COMMUNICABLE DISEASES TRANSMISSIBLE BY INTESTINAL DISCHARGES

Slightly more than 20 thousand cases of communicable diseases transmissible by intestinal discharges were reported among Navy and Marine Corps personnel in World War II. This low number is an extremely favorable one, indicating the effectiveness of sanitary measures which were instituted. It would have been supposed, in view of the large numbers of persons in the service, and the conditions under which they had to operate, that many more cases of these conditions would have occurred.

The only diagnosis of any importance numerically in this class was bacillary dysentery. During the first 3 years of the war, this disease was kept at a minimum. In 1945, an epidemic aboard ships in the Pacific area caused the majority of all the cases reported during the 4 years. Actually, over 12,500 cases of the almost 20,000 reported for the 4 years occurred during this epidemic, from July through December 1945. Apparently, the outbreak aboard ships started in July 1945, increased in August, began to wane in September, and then rose considerably in severity in October and November. Generally, the course of the flare-up was of short duration (usually 2 months) on each individual vessel—the cases reported for October, November, and December 1945, being almost entirely on vessels other than those reporting the initial outbreak.

Cruisers were actually the type of vessel hardest hit and relatively few of these vessels with high attack rates accounted for the large number of cases reported. While auxiliary vessels reported almost 4,500 cases during the half-year period, these were distributed over a large number of vessels and over greater strengths. The battleship *West Virginia* was the single vessel hardest hit, more than 50 percent of its complement being infected during the 6-months' period.

Epidemiological reports received from various ships affected indicated that elaborate control meas-

ures were taken. It was agreed, in general, that the source of the infection was contaminated harbor water, with two principal anchorages accounting for a large percentage of the cases, San Pedro Bay, Leyte, P. I., and Yokosuka Naval Base, Japan. As a result of demobilization and the subsequent movement of personnel, transients coming aboard vessels, and the intense contamination in the harbor water of the organism responsible for the infection, the control measures taken by epidemiologists were of limited efficacy. However, it was generally agreed that the two outbreaks of bacillary dysentery, had they not come at the end of the war but had come earlier, might have seriously hampered our forces in their carrying out of operations. Table 20 shows in some detail the extent of the epidemic.

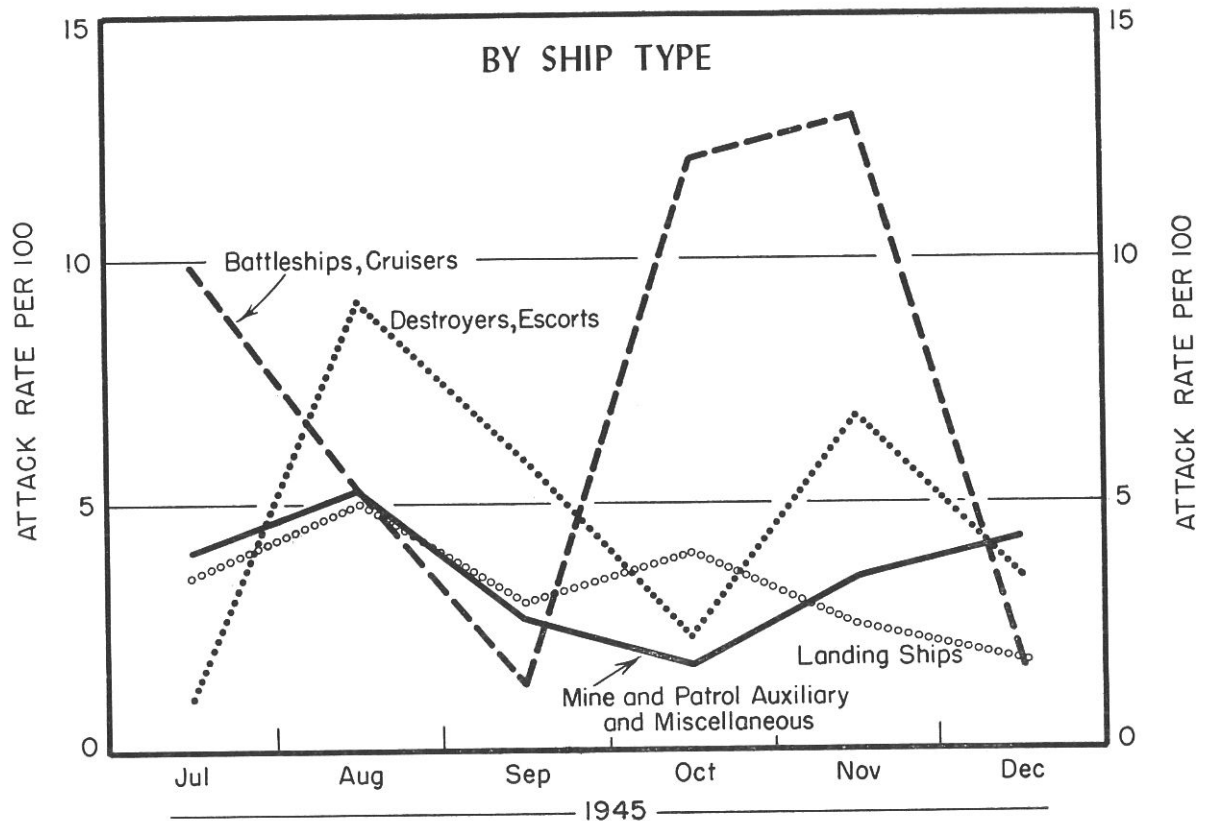
The preceding facts have been quoted in some detail primarily to illustrate the point that generally speaking, the epidemic on each ship was often of great severity and that a relatively few ships accounted for the high rates first observed.

The approximately 20 thousand cases of diseases transmissible by intestinal discharges does not, however, reflect the true incidence of diseases of intestinal tract origin since many cases occurred in areas where specific diagnosis was difficult to make. Where no laboratory facilities were available to correctly diagnose a case as bacillary dysentery, for example, it was generally reported as dysentery, *n. e. c.* This last diagnosis is included in class XIII (Other diseases of the infectious type), 3,991 cases of dysentery, *n. e. c.*, being reported. It is likely that at least part of these cases were actually bacillary dysentery, since that was the type most frequently occurring in the Navy. It should also be recognized that a considerable number of persons suffered from mild attacks of dysentery without symptoms of sufficient severity to require admission to the sick list and that such cases were not reported.

To reflect further, the true incidence of the dysenteries in the Navy and Marine Corps, the counts under amebic dysentery should be included here too. This diagnosis, which has been combined with amebiasis and amebic abscess in the appendix tables is listed in class XXII (parasitic diseases) and includes 3,108 cases, the majority of which were amebic dysentery. Additional cases of dysentery may have been reported as diarrhea, chronic, cause unknown, which is included with chronic inflamma-

Figure 31.

BACILLARY DYSENTERY ABOARD SHIPS IN THE PACIFIC NAVY AND MARINE CORPS JUL - DEC 1945



tion of stomach or intestines, n. e. c., in class III (diseases of digestive system).

The incidence of paratyphoid and typhoid fever was also kept at a minimum during the war period in the Navy and Marine Corps, only 192 cases of paratyphoid fever occurring and 96 cases of typhoid fever. As was previously mentioned, in view of the areas and conditions under which naval personnel were operating it might have been expected that despite inoculations many more cases would have occurred. That so few cases did occur, is a tribute to the sanitation measures instituted and the efficacy of immunizations.

Of the typhoid prophylaxis courses administered, the overwhelming majority represented first-course inoculations, with a few representing second-

course inoculations. According to established medical department procedure, each person in the Navy and Marine Corps on active duty (regular, reserve, or retired) received one standard course of triple (typhoid-paratyphoid) vaccine as soon as practicable after entry into the service. The standard course consists of 3 consecutive injections with intervals between each of not less than 5 nor more than 15 days. For the first injections of the course, the dosage is 0.5 c.c. of vaccine and for the second and third injections 1 c.c. each. The immunization program also called for annual booster injections of 0.1 c.c. of triple vaccine given intracutaneously. Prior to 1945 the instructions also provided for a second complete course of inoculation to be given 4 years after the initial series to each enlisted man

upon reenlistment or extension of enlistment, unless he had been immunized within the previous 4 years or had already completed 2 courses. Records of reactions to typhoid prophylaxis, both moderately severe and those requiring admission to the sick list, were kept in all cases. The highest percentage of these reactions was noted in first course inoculations. Among these first course inocula-

tions, the second injection had a decidedly higher percentage of undesirable reactions than did the first. The final injection of the series was responsible for the least number of unpleasant reactions. An interesting upward trend in reactions to typhoid prophylaxis was noted during the war years as compared to the prewar period in both first and second course immunizations.

TABLE 20.—*Bacillary dysentery cases and attack rates, by ship type and selected ships, July–December 1945 (attack rate per 100)*

Ships	New cases and attack rates													
	Total		July		August		September		October		November		December	
	Num- ber	Rate	Num- ber	Rate	Num- ber	Rate	Num- ber	Rate	Num- ber	Rate	Num- ber	Rate	Num- ber	Rate
Battleships:														
Mississippi	293	14.3	167	8.2	126	6.1	0	0	0	0	0	0	0	0
West Virginia	1,022	51.4	371	19.4	636	32.3	8	0.3	7	0.5	0	0	0	0
Idaho	6	0.3	0	0	4	0.2	2	0.1	0	0	0	0	0	0
New Mexico	229	13.2	0	0	7	0.4	113	5.2	108	7.2	1	0.1	0	0
Nevada	9	0.6	0	0	6	0.3	0	0	1	0.1	2	0.2	0	0
Texas	3	0.2	0	0	2	0.1	0	0	1	0.1	0	0	0	0
New Jersey	929	39.8	0	0	0	0	0	0	0	0	776	32.9	153	6.6
South Dakota	2	0.1	0	0	0	0	0	0	0	0	0	0	2	0.1
Cruisers:														
Alaska	443	22.2	415	20.1	24	1.2	2	0.1	2	0.1	0	0	0	0
Guam	57	2.7	57	2.7	0	0	0	0	0	0	0	0	0	0
Philadelphia	30	2.8	27	2.4	3	0.3	0	0	0	0	0	0	0	0
Little Rock	5	0.5	0	0	0	0	0	0	0	0	1	0.1	4	0.4
Cleveland	3	0.2	2	0.2	0	0	0	0	0	0	1	0.1	0	0
Vicksburg	210	17.2	0	0	92	7.0	0	0	118	10.6	0	0	0	0
Topeka	9	0.8	0	0	0	0	9	0.8	0	0	0	0	0	0
Chicago	7	0.5	0	0	0	0	2	0.1	5	0.4	0	0	0	0
San Juan	300	41.7	0	0	0	0	0	0	293	42.8	7	0.9	0	0
Pasadena	376	38.3	0	0	0	0	0	0	348	32.5	23	2.5	5	0.5
Springfield	515	49.1	0	0	0	0	0	0	367	33.9	133	14.7	15	1.3
Amsterdam	419	40.7	0	0	0	0	0	0	416	34.7	2	0.3	1	0.1
Wilkes Barre	2	0.2	0	0	0	0	0	0	0	0	2	0.2	0	0
Dayton	363	34.2	0	0	0	0	0	0	138	12.4	219	19.8	6	0.6
Wichita	142	15.3	0	0	0	0	0	0	0	0	142	15.3	0	0
Boston	511	40.4	0	0	0	0	0	0	0	0	498	37.7	13	1.1
Mobile	201	28.2	0	0	0	0	0	0	0	0	196	26.0	5	0.7
Carriers:														
Bon Homme Richard	1	0.0	0	0	0	0	1	0.0	0	0	0	0	0	0
Tripoli	1	0.1	0	0	0	0	1	0.1	0	0	0	0	0	0
Ticonderoga	1	0.0	0	0	0	0	0	0	0	0	1	0.0	0	0
Card	1	0.2	0	0	0	0	0	0	0	0	0	0	1	0.2
Destroyers, Escorts:														
Rooks	140	43.3	0	0	136	41.1	4	1.3	0	0	0	0	0	0
Jessie Rutherford	77	37.4	0	0	45	21.7	32	15.7	0	0	0	0	0	0
Lough	45	19.9	0	0	45	19.9	0	0	0	0	0	0	0	0
Major	12	5.6	0	0	12	5.6	0	0	0	0	0	0	0	0
Edmonds	35	17.5	0	0	0	0	35	17.5	0	0	0	0	0	0
Chas. E. Brannon	26	11.6	0	0	0	0	26	11.6	0	0	0	0	0	0
Anthony	54	20.1	0	0	0	0	0	0	37	12.8	16	5.4	1	0.5
C. K. Bronson	15	5.0	0	0	0	0	0	0	1	0.3	14	4.8	0	0
Caperton	89	33.6	0	0	0	0	0	0	0	0	88	39.8	1	0.3
Cogswell	69	24.6	0	0	0	0	0	0	0	0	69	24.6	0	0
Ingersoll	11	3.8	0	0	0	0	0	0	0	0	11	3.8	0	0
Knapp	15	5.8	0	0	0	0	0	0	0	0	15	5.8	0	0
Gatling	13	4.9	0	0	0	0	0	0	0	0	13	4.9	0	0
Myles C. Fox	25	8.0	0	0	0	0	0	0	0	0	21	6.7	4	1.3
Fred T. Berry	36	14.5	0	0	0	0	0	0	0	0	34	13.4	2	0.8
Hawkins	12	3.9	0	0	0	0	0	0	0	0	12	3.9	0	0
Rogers	23	7.3	0	0	0	0	0	0	0	0	17	5.5	6	1.9
Roche	10	15.6	0	0	0	0	0	0	0	0	10	15.6	0	0
J. L. Williamson	66	37.7	0	0	0	0	0	0	0	0	11	6.2	55	32.0
R. F. Keller	13	6.8	0	0	0	0	0	0	0	0	13	6.8	0	0
C. J. Doyle	23	14.6	0	0	0	0	0	0	0	0	0	0	23	14.6
W. L. Lind	15	5.4	0	0	0	0	0	0	0	0	0	0	15	5.4
E. F. Larson	15	4.8	0	0	0	0	0	0	0	0	0	0	15	4.8
Others ¹	80	1.1	12	1.0	7	0.7	3	0.4	24	1.1	23	1.2	11	0.7
Submarines: Loggerhead	1	1.3	1	1.3	0	0	0	0	0	0	0	0	0	0
Mine and patrol vessels	420	23.7	4	0.4	124	4.8	74	7.5	8	1.7	163	4.9	47	2.0
Auxiliary vessels	4,482	20.9	678	4.6	1,509	5.2	416	2.1	438	1.7	666	3.1	775	4.4
Landing ships and craft	576	21.9	70	3.4	236	5.0	97	2.9	102	3.9	54	2.5	17	1.8
Miscellaneous ships	114	22.1	10	0.5	15	6.4	68	27.6	12	3.7	7	3.9	2	2.3

¹ Destroyers: Escorts reporting less than 10 cases each.

It should be mentioned in the discussion of class IX that there were no cases of cholera which occurred in the Navy and Marine Corps during the war years.

CLASS X—COMMUNICABLE DISEASES TRANSMISSIBLE BY INSECTS AND OTHER ARTHROPODS

One of the most important factors contributing to Navy and Marine Corps morbidity during World War II was tropical diseases, the majority of which are reported in class X. In the 4 years 1942 through 1945 inclusive, almost 165,000 cases of these diseases occurred. These included more than 110,000 cases of malaria, 37,000 cases of dengue, 11,000 cases of filariasis, and 24,000 cases of dysentery and chronic diarrhea. (The last two diagnoses are reported in other classes.)

In 1942, except for malaria, only relatively small numbers of cases of tropical diseases were encountered. In the succeeding years, however, these numbers increased considerably. Of all the cases of malaria, the great majority, 89,868 or 79.0 percent were the benign tertian variety, and 9,741 or 8.6 percent were malignant tertian malaria. The remaining cases were quartan malaria, blackwater fever, and unspecified types of malaria. All of the malaria diagnoses combined accounted for 83 deaths.

Table 21 brings together for study all of the diagnoses generally thought of as tropical, as well as certain other related conditions. In addition to those diseases listed in the table there were isolated cases reported of certain other exotic conditions. These included 5 cases of trench fever, 3 cases of trypanosomiasis, 6 cases of bartonellosis, and 1 case each of onchocerciasis, dracontiasis, and loiasis. It is also interesting to observe that during the entire war period there were no cases of plague, yellow fever, cholera, or leprosy reported, despite the exposure of personnel to these conditions in areas in which they prevail.

The relatively high incidence of hookworm disease noted in 1942 was accounted for almost entirely by cases in which the condition existed prior to the person's entrance into the naval service. Subsequent to 1942, however, this factor became progressively less important, until in 1945, EPTE's were responsible for less than 6 percent of the total admissions for this disease.

The pattern for the various tropical diseases for the war period parallels the areas entered by Navy

and Marine Corps personnel as the war progressed. For example, it may be observed that the greatest number of malaria cases, 56,728, occurred in 1943, associated with the campaigns in the South Pacific. As the movement northward took place, the number of these cases decreased considerably. Similarly, the peak for dengue, 27,117 cases, was reached in 1944, when more than 20,000 cases were reported from the Central Pacific area alone. The still further advance northward in 1945 brought about a sharp decline in the incidence of dengue. In filariasis, the highest incidences were reported in 1943 and 1944, among Marine Corps troops who had been concentrated in Samoa, where the disease is endemic. The previously-held theory, that white persons are seldom if ever affected by filariasis, was thereby disproved, and the institution of appropriate control measures in endemic areas subsequently reduced the incidence. In bacillary dysentery, however, the greatest number of cases occurred in 1945, when naval vessels were concentrated in crowded harbors, such as was encountered at San Pedro Bay, Leyte, P. I., and at the Yokosuka Naval Base, Japan. Similarly, the majority of the schistosomiasis cases were contracted in 1945, with the entrance of personnel into the Philippines area.

As may be observed in table 21, the incidence rates for typhus fever (both epidemic or louse-borne and endemic or flea-borne) and scrub typhus (tsutsugamushi disease) exhibited a marked decline in 1945, after reaching a peak in 1944. The institution of elaborate precautionary measures at about that time undoubtedly accounted for a part of the subsequent downward trend.

A particularly notable point is the consistent increase of acute infectious jaundice and acute hepatitis in the 4-year period. Among the tropical diseases, acute infectious jaundice ranked fourth in incidence for the entire war period and third in 1945. By 1945, the incidence of acute infectious jaundice and acute hepatitis had reached a combined rate of more than 225 per 100,000 strength. More than 8,000 cases were reported in that year alone. To the South Pacific, Southwest Pacific, and Central Pacific areas may be attributed the majority of the occurrences. When considered in the light of possible postwar repercussions, the number of cases of these two conditions assumes even greater significance.

Of those diseases reported in class X only, more than 4½ million sick days were reported. Thus, class X ranked seventh in sick days for disease classes. It should be kept in mind that certain of the other related conditions previously discussed which are not in class X are not included in this count. In addition to the almost 165,000 cases of diseases transmissible by insects and arthropods, there were 94,450 readmissions or 1 readmission for every 1.7 cases. The great majority of these readmissions, as might be expected, were for malaria. Of the 89,868 cases of benign tertian malaria there

were 79,933 readmissions, or 88.9 percent of the cases readmitted. This figure is, of course, predicated upon the assumption that there was 1 readmission for every case of the disease. It is recognized that there would be more than 1 readmission for certain cases and none for certain other cases.

Of the typhus fever group, 613 or 59.7 percent of the 1,026 cases of typhus fever reported were scrub typhus (tsutsugamushi disease). This diagnosis accounted for the overwhelming majority of the deaths for typhus fever, being responsible for 28 of the 30 deaths for these conditions.

TABLE 21.—Incidence of principal "tropical" diseases, Navy and Marine Corps: 1942-45

Diagnosis	Total	1942		1943		1944		1945	
		Incidence		Incidence		Incidence		Incidence	
		Number of cases	Average annual rate per 100,000	Number of cases	Average annual rate per 100,000	Number of cases	Average annual rate per 100,000	Number of cases	Average annual rate per 100,000
Malaria.....	113,744	12,714	1,523.3	56,728	2,690.6	29,798	889.6	14,504	394.8
Dengue.....	37,663	433	51.9	8,243	391.0	27,117	809.5	1,870	50.9
Dysentery, bacillary.....	19,996	394	47.2	2,370	112.4	4,168	124.4	13,064	355.6
Jaundice, acute inf.....	16,761	681	81.6	4,537	215.2	5,158	154.0	6,385	173.8
Filariasis.....	12,040	61	7.3	5,256	249.3	5,980	178.5	743	20.2
Hookworm.....	7,209	3,582	429.2	622	29.5	1,187	35.4	1,818	49.5
Dysentery, unclassified.....	3,991	180	21.6	564	26.8	1,759	52.5	1,488	40.5
Hepatitis, acute.....	3,925	121	14.5	626	29.7	1,263	37.7	1,915	52.1
Diarrhea, chronic.....	1,626	75	9.0	378	17.9	577	17.2	596	16.2
Dysentery, amebic.....	1,632	106	12.7	229	10.9	460	13.7	837	22.8
Typhus, scrub.....	613	.....	0	47	2.2	396	11.8	170	4.6
Encephalitis, acute.....	458	64	7.6	111	5.3	132	3.9	151	4.1
Typhus.....	413	21	2.5	122	5.8	194	5.8	76	2.1
Sandfly fever.....	239	17	2.0	113	5.4	86	2.6	23	0.6
Abscess, amebic, liver.....	67	3	0.4	8	0.4	18	0.5	38	1.0
Schistosomiasis.....	55	2	0.2	2	0.1	2	0.1	49	1.3
Yaws.....	26	3	0.4	4	0.2	11	0.3	8	0.2
Relapsing fever.....	22	.....	0	5	0.2	7	0.2	10	0.3
Leishmaniasis.....	16	1	0.1	2	0.1	10	0.3	3	0.1

CLASS XI—TUBERCULOSIS (ALL FORMS)

While the incidence of tuberculosis in the Navy and Marine Corps during the war years was comparatively low, there were almost 1½ million sick days accumulated for these conditions. In addition, the cost to the Navy in manpower lost must be measured by the number of deaths for this disease and the number of invalidings from the service. During the period there were 341 deaths for tuberculosis, a fatality rate of 2.5 per 100 cases and 8,519 invalidings from the service, or an IS rate of 618.4 per 1,000 cases. In addition to the cases of tuberculosis on the sick list, there were 567 readmissions for these conditions, or a percent of readmissions of 4.1 percent.

It should be pointed out that in diagnoses like tuberculosis, the fatality rates in the service are

somewhat lower than they would ordinarily be due to the practice of invaliding persons with the condition to their homes or to the care of Veterans' Administration facilities. It should also be pointed out that the 13,775 cases of tuberculosis during the 4 years does not represent 13,775 persons with the disease, but 13,775 separate diagnoses made. In other words, one person may be carried under more than one diagnosis for tuberculosis at different times during his sojourn on the sick list. For example, a person admitted with active pulmonary tuberculosis may have had the diagnosis changed subsequently to arrested pulmonary tuberculosis. In tuberculosis, as a patient progresses or regresses in his treatment, the diagnosis may be changed from moderately advanced to minimal or from arrested to active, and so forth. A large proportion

of the diagnoses, therefore, admitted by the ACD-AD method, are actually not new persons with tuberculosis, but new diagnoses.

A large proportion of the cases of tuberculosis during the war years had existed prior to the person's entry into the naval service (EPTE's). There were 4,980 cases which were determined to have existed prior to the person's entry into the naval service, or 36.2 percent of the total incidence. The great majority of the cases which had existed prior to entry were arrested pulmonary reinfections, 3,454 or 69.4 percent of all the EPTE's being this diagnosis. These 3,454 cases also amounted to more than 60 percent of all the cases of arrested pulmonary reinfection tuberculosis admitted during the period.

Of the 341 deaths ascribed to tuberculosis, 199 were due to the pulmonary reinfection type. Tuberculosis, *n. e. c.*, accounted for the remainder of the deaths. In this last category are included the following diagnoses: tuberculous pneumonia, acute miliary tuberculosis, tracheobronchial tuberculosis, tuberculous pleuritis, and extrapulmonary tuberculosis.

The average number of sick days per case for all forms of tuberculosis during the 4-year period was 104.1. This varied, however, for individual diagnoses from a minimum of 57.4 sick days per case for primary pulmonary tuberculosis, apparently healed, to a high of 141.2 sick days per case for active pulmonary tuberculosis reinfection. It was also this last type of tuberculosis which had the highest noneffective rate, 25.9 per 100,000, due not only to the high average number of sick days per case but also to the fact that it had the highest incidence rate for any form of tuberculosis reported during the war.

One of the most important factors in the study of incidence for tuberculosis during the war years is the admission of persons in whom the disease had existed prior to entry into the naval service. This large percentage, 36.2 percent, was directly due to the hurried influx of personnel in 1942 to meet the emergency.

In January 1942, photofluoroscopic examination was actually made a requirement for all persons entering upon active duty in the Navy and Marine Corps, by Bureau directive. However, it was not possible at that time to have examination units in each recruiting station in the United States and it was therefore necessary for the photofluoroscopic

exams to be made at training stations to which the men were sent after entering upon active duty. Consequently, lesions which were not detected by physical examination at the recruiting stations were found by X-ray examination at the training centers. This accounts for the high percentage of EPTE cases in 1942. In the early part of 1943, the Joint Armed Forces induction centers came into existence and photofluoroscopic examination of all recruits was made at these centers. Those persons who had lesions of tuberculosis were then rejected prior to entry into the service, and thus the percent of cases of tuberculosis which had existed prior to the person's entry was considerably lowered. This reflects the value of the routine chest X-ray in excluding tuberculosis from the service.

In June 1944, a directive was issued which required, in addition to the X-ray upon reporting to active duty, an examination at annual intervals and upon separation from active duty of all personnel in the Navy and Marine Corps.

Contrary to the general experience among the civilian population, tuberculosis in the Navy and Marine Corps is not essentially a disease of the young. In the service, the incidence rates for tuberculosis were found to increase with age, those persons in the older age groups having the highest incidence rates.

In line with the general experience, however, a study of tuberculosis for the war years revealed that the white race had the lowest incidence rates, with the nonwhites (including Negro, brown, yellow, and American Indians) having considerably higher incidence rates over the entire period.

CLASS XII—VENEREAL DISEASES

The problem of venereal diseases has always been an important one in the services both in time of peace and in time of war. During World War II, the incidence rates for venereal diseases in the Navy and Marine Corps, while high in comparison to that of other disease classes, declined considerably from their peacetime levels. This decline might be attributed to several factors: one was the "dilution" factor of the large numbers of recruits undergoing basic training in the Navy and Marine Corps during the period and the consequent restriction of their activities during such training. Another factor which might have accounted for lower venereal disease rates was the comparative isolation of large numbers of persons

aboard ships of the fleets for long periods of time during the war. A third factor was the part played by education of personnel through the venereal disease control program.

During the war there were 339,794 cases of venereal diseases in the Navy and Marine Corps, with an incidence rate of 3,409.3 per 100,000 strength, or 34.1 per 1,000. The vast majority of these cases were gonococcus infections, (more than 286,000). Of the gonococcus infections, 277,713 or 96.9 percent were gonococcus infections of the urethra.

The incidence rate of 34.1 per 1,000 strength for World War II for all venereal diseases was less than one-half the rate in World War I, when the incidence rate for venereal diseases in the Navy and Marine Corps was 76.3 per 1,000 strength. Prior to World War I, the incidence rates for venereal diseases were even higher, the high point since 1900 occurring in 1910, when a rate of 196.6 per 1,000 strength was reported. The incidence rate increased again after World War I, the peak between the 2 wars being reached in 1924. The World War II rates, however, were the lowest venereal disease rates recorded in the Navy.

Due to improved methods of treatment of venereal diseases which originated during the war and changes in administrative policy, the average number of sick days per case was lowered considerably over the prewar average, an average of only 9.2 sick days per case being reported for all of the venereal diseases. This resulted in a lower noneffective rate than might otherwise have resulted without these improved methods of treatment.

Even with the improved venereal disease rates during World War II, one of the principal causes of disability in the Navy and Marine Corps was gonococcus infection of the urethra. The importance of this disease was stressed repeatedly; tabulations of incidence in the Navy and Marine Corps consistently ranked gonococcus infection of the urethra second among the leading causes of illness. Despite the lowered incidence rate, this diagnosis still accounted for 5.4 percent of all the diseases and injuries (other than enemy action) in the period. In addition to the high incidence of gonococcus infection, urethra, the complications associated with it and their further cost to the Navy in man-days lost were also notable.

The average number of sick days during the war period for gonococcus infection of the urethra fluctuated from year to year.

The high point in sick days per case was reached in 1943, when 14.4 sick days per case were reported. In the next 2 years of the war, the average number of sick days per case dropped sharply, with a low of 3.1 sick days per case being reached in 1945.

The effect of the improved methods of treatment upon the average number of sick days per case prior to 1945 was somewhat obscured by a number of factors, principle among which were the changes in administrative policy governing the loss of pay while on the sick list. During the period when the policy was in effect, when venereal disease patients lost pay while on the sick list, arrangements were frequently made to continue treatment in a duty status. The average number of sick days per case was considerably reduced during the period by this practice. These varying administrative practices somewhat obscure the effect of changing therapeutic agents—the various sulfonamides and later penicillin.

The noneffective rate in the 4 years fluctuated considerably, with the peak in 1943 paralleling the peak in sick days in that year. The low noneffective rate in 1945, of 25.3 per 100,000 strength, associated with the low average number of sick days per case and coincident with the beginning of the widespread use of penicillin might be attributed directly to the improved method of treatment.

It is interesting to note the percent of cases of gonococcus infection of the urethra that were readmitted to the sick list. Readmissions during the war years remained high until 1945, with 1944 exhibiting the highest percent of readmissions in the entire period. Caution should be exercised in attempting to compare the readmissions for 1945 with that of the previous years, because of the revisions in the methods of admission. Concurrent diagnoses (AD's) were included in the "readmissions" prior to 1945, as well as the true readmitted cases. As a result, it is not obvious from the data at hand whether the improved methods of treatment in 1945 actually lowered the recurrences of the disease.

Data on the complications of gonococcus infection of the urethra may be observed in table 22. There was a consistent decrease in the percent of cases which developed complications, beginning with 1942 and continuing to 1945, when a low of 0.6 percent was reported. This decrease in the complications of gonococcus infection of the urethra

in recent years is one of the most notable factors in the treatment of this condition. The principal complication, which accounted for the majority of the cases, was gonococcus infection of the epididymis, with significant numbers of gonococcus infection of the prostate and joint reported. Among the "other" complications were included gonococcus infections of the conjunctiva, seminal vesicles, and other parts, and acute therapeutic poisonings, sulfonamides, and others.

TABLE 22.—*Complications of gonococcus infection, urethra, Navy and Marine Corps: 1942-45*

Year	Complication	Number	Percent of incidence
1942	Total	1,169	4.8
	Gonococcus infection, epididymis	554	2.3
	Gonococcus infection, prostate	378	1.5
	Gonococcus infection, joint	62	0.3
	All other	175	0.7
1943	Total	2,020	3.5
	Gonococcus infection, epididymis	811	1.4
	Gonococcus infection, prostate	793	1.4
	Gonococcus infection, joint	80	0.1
	All other	336	0.6
1944	Total	1,532	1.8
	Gonococcus infection, epididymis	605	0.7
	Gonococcus infection, prostate	515	0.6
	Gonococcus infection, joint	67	0.1
	All other	345	0.4
1945	Total	622	0.6
	Gonococcus infection, epididymis	296	0.3
	Gonococcus infection, prostate	168	0.2
	Gonococcus infection, joint	34	0.0
	All other	134	0.1

During the 4-year period, there were 36,434 cases of syphilis reported in the Navy and Marine Corps, 4,772 or 13.1 percent of which were deemed to have existed prior to the person's entry into the naval service. In addition to these cases, there were 4,293 readmissions, or 1 readmission for approximately every 8 cases. Of the 10 deaths reported during the war period for venereal diseases, 9 were due to some type of syphilis.

It should be mentioned that the incidence of chancroid reached a very low level during the war years. For the entire period there were less than 14,000 cases reported, with an incidence rate of 138.9 per 100,000 strength. The incidence of this disease, however, decreased in each year of the war, from 1942 to 1945. Of the other diseases reported in the class, there were comparatively small numbers of cases of lymphogranuloma venereum and granuloma inguinale, only 2,955 of the former being reported and 63 of the latter.

CLASS XIII—OTHER DISEASES OF THE INFECTIOUS TYPE

In this class were included a number of different conditions which had little or no relation to each

other, but which nevertheless presented important problems to the medical department as a whole. Included here were localized infections, food poisoning, jaundice, rheumatic fever, and other conditions important from the standpoint of medical problems.

The principal diagnosis numerically was cellulitis, with over 150,000 cases occurring during the 4-year period. More than 1½ million sick days were accumulated for this condition, with an average of 7.6 sick days per case. The majority of the cases of cellulitis were listed as new admissions (A's) with only 1,392 listed as complications or sequelae of other conditions. Carbuncles, furuncles, and abscesses also accounted for the large numbers of cases of diseases in this class.

The food poisoning group accounted for 11,381 cases, the majority of which were bacterial food poisoning. However, the incidence of food poisoning was probably understated somewhat due to the fact that some cases of food poisoning may have been diagnosed as gastroenteritis, acute. However, even with these added cases, the incidence of all types of food poisoning during the war in the Navy and Marine Corps was remarkably low in view of the conditions, particularly in forward areas, under which personnel in the service had to operate.

Two other diagnoses of medical importance to the Navy which were included with class XIII were acute infectious jaundice and rheumatic fever. The former was important from an epidemiological standpoint particularly in light of possible postwar repercussions, the latter because it was one of the most disabling conditions which persons were subjected to.

During the period of World War II, there were 21,211 cases of rheumatic fever reported in the Navy and Marine Corps. For these cases, more than 3 million sick days were reported, an average of almost 150 sick days per case occurring. In addition to the 21,211 cases there were also 3,446 readmissions for the same condition, a readmission ratio of 1 readmission for approximately every 6 cases. Fifty-six deaths were attributed to rheumatic fever and 5,442 persons were invalided from the service as a result of it. In addition to the loss to the service in manpower, as a result of the diagnosis rheumatic fever, there were also losses due to the complications or sequelae of rheumatic fever, principal among these being diseases and conditions of the mitral valve.

TABLE 23.—*Distribution of rheumatic fever, incidence by age, Navy and Marine Corps: 1942-45*

Age (years)	Number of cases	Percent of total	Cumulative percent
All ages.....	21,211	100.0	100.0
17 and under.....	635	3.0	3.0
18.....	4,305	20.3	23.3
19.....	4,452	21.0	44.3
20.....	2,218	10.5	54.8
21.....	1,634	7.7	62.5
22.....	1,236	5.8	68.3
23.....	953	4.5	72.8
24.....	768	3.6	76.4
25-27.....	1,736	8.2	84.6
28-30.....	1,260	5.9	90.5
31-35.....	1,354	6.4	96.9
36 and over.....	660	3.1	100.0

The incidence of rheumatic fever was highest in the younger age groups. Table 23 presents an age distribution of the incidence for the 4-year period. Almost 45 percent of all the cases occurred in persons under 20 years of age. When correlated with the strength of the Navy in various age groups it was observed that the incidence rate for persons under 20 was 374.3 per 100,000 strength, as compared to 180.1 for the group 20 to 25, and 136.2 per 100,000 for all those over 25 years of age.

Along with the fact that the great majority of the cases of rheumatic fever occurred among younger persons, it was also observed that the great majority of the cases had very short periods of service, almost 55 percent having less than 6 months service in the Navy. Related to the strength of the Navy in various length of service groups it was estimated that the incidence rate for rheumatic fever among personnel with less than 6 months of service was 572.8 per 100,000 strength as compared to 232.5 for those with 6 through 11 months of service and 85.8 for those with 12 or more months of service. These observations emphasize the importance of the training period in the epidemiology of rheumatic fever.

It is interesting to discuss the incidence of tetanus, which during any war period assumes great importance. Although there were a few cases of trismus incorrectly reported as tetanus, actually a review of the health records of the Navy and Marine Corps personnel who were reported to have had tetanus during the World War II period revealed that there were only 4 cases, 2 of which terminated in death. The incidence included 2 cases in 1942, and one case each in 1943 and 1945. The deaths occurred in 1942 and 1943, one occurring in each of those years. All of the cases of tetanus developed as a result of accidental injuries;

no combat casualties developed tetanus. As a matter of fact, of the 2 deaths, one was due to an infected toenail which had been incurred by the person before entry into the naval service.

That the immunization program as practiced in the Navy was effective is evidenced by the fact that of the 2 fatal cases of tetanus, one had a record of no immunization and the other had an immunization record which was incomplete, indicating that the person had probably received inadequate immunization. Of the 2 nonfatal cases, one had received basic immunization, but no emergency booster injection.

The low incidence of tetanus in the Navy during the war years was spectacular only by contrast. That danger existed for the unimmunized was apparent from the fact that during these same years the number of deaths due to tetanus reported to the National Office of Vital Statistics as having occurred within the United States among civilians was 2,574. Even at this civilian rate it would be expected that there would have been about 25 deaths among the nearly 5 million officers and men who served in the Navy and Marine Corps during World War II. The excellent record maintained by the Navy in World War II morbidity and mortality for tetanus was further demonstrated by the dramatic improvement of these rates over that of World War I and the intervening peace years. The incidence rate per 1 million for World War II was 0.40 as compared to 4.77 for World War I and 3.34 for the intervening years 1920 through 1941. These rates present ample evidence that the prophylactic program in the Navy was effective in reducing the incidence of tetanus in World War II.

During the 4-year period there were 16,761 cases of acute infectious jaundice reported in the Navy and Marine Corps. This disease is one in which the manifestations may vary widely in character and severity and for which no adequate specific diagnostic test exists. Consequently, some cases may have been missed and very likely more were incorrectly reported under other titles. To this extent, the figures presented here are deficient in giving a true picture of the impact of acute infectious jaundice on the naval population. There is reason to believe that as a result of increasing familiarity with the condition on the part of medical department personnel, the completeness of reporting improved in the later years of the war.

The disease was no minor problem during the war. The average annual rate for the 4-year period for all personnel was 168.2 per 100,000 strength, and the highest rate for an individual year was 213.1 in 1943. The comparatively low rates for personnel in 1942 probably reflected in part the reporting deficiency referred to previously, but even in that year there was the apparent tendency, which was so pronounced in the later years, of enlisted Marines to show the highest rates. This difference was most apparent in 1943, when the rate for enlisted Marines of 787.5 per 100,000 strength was more than 6 times that for Navy enlisted men. The rates for Marine Corps officers were also higher than for naval officers and this disparity between Navy and Marine Corps continued through 1944 and 1945, although not to such a great degree as in 1943. In the Marine Corps the rate for enlisted men was higher than that for officers in each instance except in 1945, when they were the same, while in the Navy the rates for officers tended to be higher than those for enlisted men.

The incidence rates for women for acute infectious jaundice were generally lower than those for any of the male groups. A difference might have been expected in view of their different mode of life in the service. In general, women were seldom thrown into large, closely associated groups or exposed to high contact rates with potentially infectious persons as were the men.

Table 24 indicates the incidence rates for Navy and Marine Corps personnel by age group. The age distribution was in keeping with general experience with the disease, the groups under 35 contributing the majority of the cases.

TABLE 24.—Incidence of acute infectious jaundice, by age group Navy and Marine Corps: 1942-45

Age group	Average annual incidence rate per 100,000		
	Total	Navy	Marine Corps
Total.....	167.8	120.2	462.4
Under 20.....	123.2	88.1	371.0
20-24.....	234.9	155.0	590.8
25-29.....	168.6	133.4	408.0
30-34.....	111.3	99.1	240.3
35-39.....	87.8	87.5	91.4
40-44.....	71.0	72.7	53.1
45-49.....	47.0	48.6	34.6
50-54.....	52.1	55.9	22.9
55-59.....	12.8	13.8	0
60-64.....	14.9	15.8	0
65 and over.....	60.1	60.1	0

Table 25 shows the percentage distribution of the cases for the 4-year period by sick days. Since in the Navy's morbidity reporting system a patient is carried under only one diagnosis at a time, these figures will not necessarily reflect the total time spent on the sick list by persons who had the disease. A complicated case, for example, might have had his diagnosis changed to that of the complication, in which case his subsequent sick days would have been ascribed to the complication rather than to the original diagnosis. Furthermore, when a patient was granted convalescent leave, the days spent on such leave were not charged to the diagnosis. For these reasons, the figures presented do not portray completely the length of disability resulting from acute infectious jaundice.

TABLE 25.—Distribution of cases of acute infectious jaundice, by stay on sick list Navy and Marine Corps: 1942-45

Weeks	Percent of total
0-1.....	16.6
1-2.....	25.7
2-3.....	18.2
3-4.....	11.2
4-5.....	7.0
5-6.....	5.4
6-7.....	4.2
7-8.....	2.8
8-9.....	2.2
9-10.....	1.6
Over 10.....	5.1

The median length of stay was 17 days, and the average number of sick days per case was just under 25 days. Of the approximately 5 percent who stayed longer than 10 weeks, the longest stay was 45 weeks.

CLASS XIV—DISEASES OF LYMPHATIC SYSTEM

The most outstanding diagnoses in this class from the standpoint of numbers were lymphadenitis and lymphangitis, which together accounted for 36,558 cases during the 4 war years. Actually, there were cases reported for these diagnoses which were filariasis cases in the early part of the war and which were incorrectly diagnosed as lymphangitis or lymphadenitis. Thus, the counts for filariasis (class X) were low and the counts for lymphangitis and lymphadenitis high to the extent that this was true.

Hodgkin's disease, however, is the most interesting diagnosis in the class. During the 4 war years, there were 242 cases of Hodgkin's disease which occurred among Navy and Marine Corps personnel. During the period of observation, 47 of the persons died, resulting in a fatality rate of

19.4 per 100 cases, and 11 persons were invalided from the service, a rate of invalidings of 44.9 per 100 cases. Eighty-six patients were listed as having been returned to duty. This last group, those listed as having been returned to duty, requires further explanation. Actually, the majority of these cases were discharged from the service by methods other than the invaliding route. The term "returned to duty" in most of these cases is for record purposes only to dispose of the person from the sick list. Officers, for example, are generally disposed of from the sick list in this manner pending action of retiring boards. A good proportion of the persons listed as "returned to duty" were officers. A portion of the remainder of the patients undoubtedly received administrative discharges.

The over-all average annual incidence rate for Hodgkin's disease during the period in the Navy and Marine Corps was 2.4 per 100,000 strength. Recent civilian investigators report the incidence rate for civilians in the United States to vary from 0.5 to 2.5 per 100,000 population. In attempting to compare civilian rates with Navy rates, it should be kept in mind that the Navy system of reporting diseases lends itself to more adequate coverage of the cases occurring. It was also noted that, in line with civilian experience, female personnel of the Navy and Marine Corps had slightly lower incidence rates than did the male personnel.

During the 4-year period, there were almost 40,000 sick days accumulated by the cases of Hodgkin's disease in the Navy and Marine Corps, an average of 160 sick days per case. This average, however, is perhaps less meaningful than the range of sick days of the disease. Here too, however, it should be kept in mind that the method of discharging persons with chronic ailments from the service affects to a considerable extent the total sick days accumulated. For Hodgkin's disease the range in the number of sick days per case was from 0 (for those cases where the person was found to have the condition prior to entry and had been sworn into the service before the condition was discovered and then immediately discharged) to almost 1,000 sick days (for cases where persons were admitted in 1 year, and then subsequently readmitted and carried over into succeeding years until finally invalided from the service).

Of the total number of cases, the great majority, more than two-thirds of the cases, accumulated less than 201 sick days per case, with about 15 percent

having accumulated less than 51 sick days per case. Of those who died, the largest group died within 0 to 50 days. For all of the cases which had less than 301 sick days per case, the fatality rate was found to be 20.1 per 100 cases. For those over 301 sick days, the fatality rate was 25.0 per 100 cases. Thus, while the largest number of deaths occurred in the single group 0 to 50 sick days, the fatality rate did not decrease with longer periods of treatment.

CLASS XV—DISEASES OF MIND

During the 4 war years, due to the rapid mobilization of personnel to meet the emergency and the consequent impossibility of screening out all of those persons who would be most likely to develop a mental disease under the unusual conditions to which service personnel were subjected, incidence rates for diseases of the mind (class XV) for personnel of the Navy and Marine Corps increased considerably over their prewar levels. For example, in the period 1936 through 1940, the annual incidence rate for diseases of the mind varied between 330 and 550 per 100,000 strength. In contrast to this, the average annual incidence rate for the war years amounted to more than 1,500 per 100,000, with the highest rate in the period reached in 1945.

TABLE 26.—*Incidence rates for diseases of the mind, by race and age group, Navy and Marine Corps: 1942-45*

Age group (years)	White, average annual rate per 1,000	Negro, average annual rate per 1,000	All others, average annual rate per 1,000
Total.....	14.0	19.4	2.8
Under 20.....	9.3	14.9	1.3
20-24.....	13.5	19.8	2.1
25-29.....	16.3	23.2	1.8
30-34.....	18.9	25.0	4.4
35-39.....	21.4	26.2	8.5
40-44.....	18.6	5.9	12.8
45-49.....	16.2	6.9	28.4
50-54.....	8.8	7.6	6.6
55-59.....	2.9	2.8	0
60-64.....	2.4	7.0	0
65 and over.....	1.2	0	0

When distributed by type of personnel, certain variations in the incidence rates for mental diseases were noted. As compared to the rates for white personnel, the total incidence rate for the entire class of diseases of the mind was higher among Negroes in the Navy and Marine Corps. However, significant differences in the age distribution of these diseases were observed. In distributing these

rates by age group, it was interesting to note that while the incidence rate for Negroes under age 40 was higher than for whites, the Negro rate at ages 40-54 was lower than the rate for corresponding white age groups. For all the other racial groups, the incidence rates were erratic; this fluctuation being due to the small numbers of such persons in the naval service.

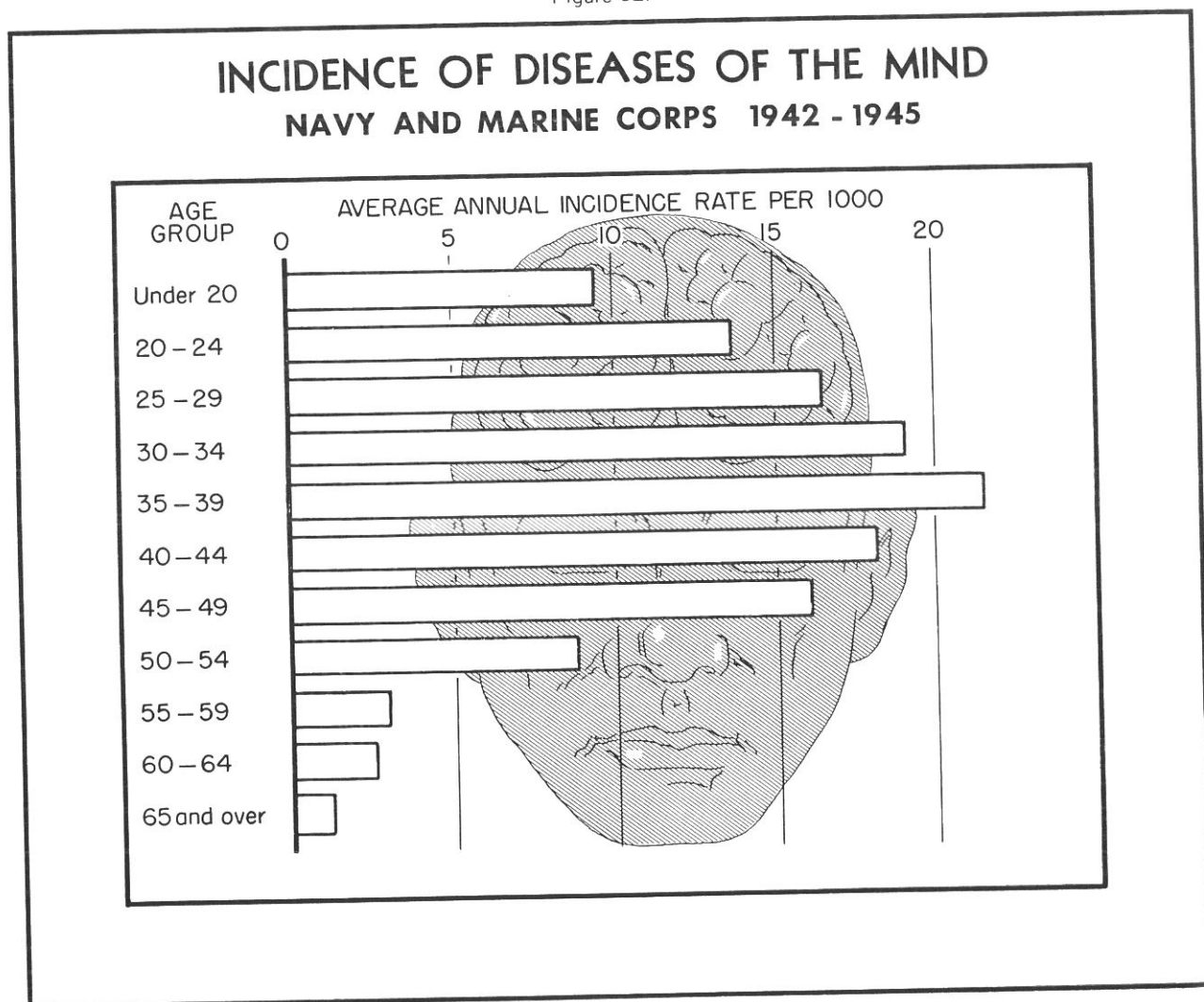
In this class, mental diseases have been combined into certain main groups, i.e., the psychoneuroses, the psychoses, personality disorders, and so forth. When distributed by these classifications, it was noted that the incidence rates were considerably lower for psychoneuroses for the Negroes than for the white personnel in every age group, indicating that Negro personnel were relatively free from the psychoneuroses. In the other mental disease cate-

gories, however, the incidence rates for Negro personnel were considerably higher than for white personnel.

It is interesting that the age group with the highest incidence rate for all diseases of the mind was the group from 35 to 39 years of age among Negroes and whites alike, with a decrease in the incidence rates for the older age groups. This condition was true for both Negro and white personnel in the psychoneuroses and personality disorders. However, in the other groups of mental conditions, the distribution was quite different.

One of the most important considerations in any disease or condition in the service is the loss to the Navy in manpower, through sick days, deaths, and invalidings. While the number of deaths due to mental conditions was low during the war, only 36

Figure 32.



deaths being reported, the loss to the service by sick days and invalidings was tremendous. There were more than 11 million sick days accumulated for diseases of the mind, the average number of sick days per case being 78.1. In addition, 107,951 persons were invalidated from the service for these conditions, a rate of invalidings of 714.8 per 1,000 cases. This rate of invaliding assumes added significance when it is remembered that a large number of these persons were invalidated to Veterans' Administration facilities for further care and required considerable care and rehabilitation before they could be useful members of society.

An interesting fact in observing the statistics collected for the war period in reference to mental diseases is the number of persons in whom the condition was deemed to have existed prior to entry into the naval service (EPTE's). During the war period, of the 151,033 cases of mental diseases, 89,457, or almost 60 percent, were determined to have existed prior to the person's entry into the naval service. This points out the need for even more careful screening of persons before their induction to prevent the high cost to the services for their care.

During the period, there were 16,876 cases of conditions which were diagnosed as psychoses, 6,350 or 37.6 percent of which were deemed to have existed prior to the person's entry into the naval service. For the psychoses, almost 2 million sick days were accumulated, or almost 115 sick days per case. Psychoneuroses, which were numerically the largest group of conditions in this class accounted for 72,792 cases and 5,603,771 sick days. Of this group, 32,186 or 44.2 percent existed prior to the person's entry into the naval service. Psychopathic personality was diagnosed in 47,183 cases, the great majority of which, 37,981 or more than 80 percent, were designated as EPTE. More than 3½ million sick days were accumulated by this diagnosis alone.

The problem of EPTE cases of mental disease during the war years may be speculated upon. It is possible that if the person had not been in the service, the condition would never have manifested itself to a disabling degree and therefore should perhaps not be considered as having existed prior to entry. It is recognized that removing a person from his usual environment and fitting him into the pattern under which he must live and operate in the services may create certain problems of adjust-

ment. How much of the inability to adjust in certain cases is related to the person's previous environment and experience is a matter for further study.

CLASS XVI—DISEASES OF MOTOR SYSTEM

Diseases of the motor system during the war years accounted for 146,372 cases, 49,406 or 33.8 percent of which were deemed to have existed prior to the person's entry into the naval service. While this class was not an important one from the standpoint of deaths, it contained a large number of cases of conditions which were of a disabling nature. As a result, there was a considerable number of invalidings from the service for this class, almost 40,000 persons being discharged from the service for these diagnoses during the period.

The condition for which the greatest number of sick days was accumulated during the 4 years was chronic arthritis. This condition alone accounted for over 2 million of the approximately 7 million sick days for the class.

Data were compiled on the incidence of chronic arthritis by age group for the war years. The rates showed an increase from a low of 47.5 per 100,000 strength for the age group under 20 to a high of 2,263.3 for the 45-49-year age group. There was a slight decline in the rates for the older age groups but they were still many times greater than those for the younger persons.

TABLE 27.—Incidence rates for chronic arthritis, by age groups
Navy and Marine Corps: 1942-45

Age group (years)	Average annual rate per 100,000
Under 20.....	47.5
20-24.....	100.3
25-29.....	225.5
30-34.....	463.8
35-39.....	986.2
40-44.....	1,490.1
45-49.....	2,263.3
50-54.....	1,779.1
55-59.....	1,052.4
60-64.....	1,207.6

Differences between the incidence rates for chronic arthritis by sex and type of service were also noted. The average annual incidence rate for the war years for men of the Navy and Marine Corps was 259.3 per 100,000 strength while for women the rate was 99.9. Distributed by type of service, it was observed that the rate for the Navy during these years was slightly higher than that for the Marine Corps. While this relationship was true for enlisted personnel, the opposite was true

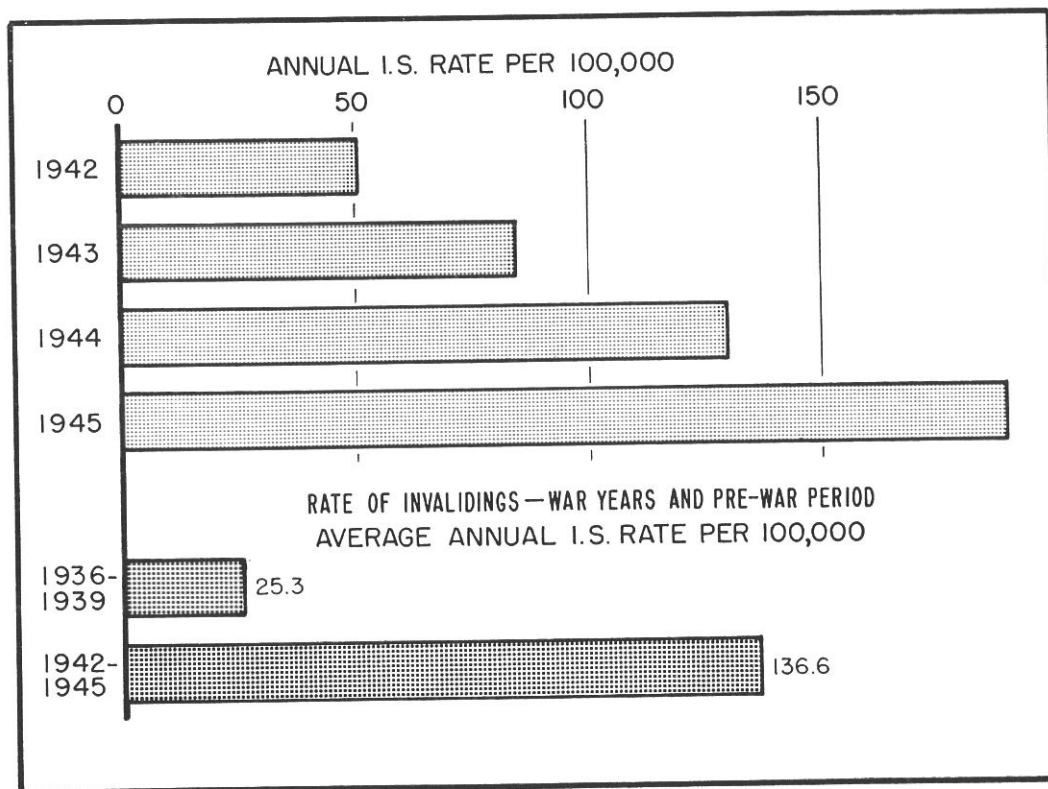
for officers; the rate for the Marine Corps officers was higher than that for Navy officers. However, the greatest difference was observed between the officers and the enlisted men. The average annual rate for the war period for enlisted men was 268.9 per 100,000 strength as compared to a rate of 146.1 for officers. Thus, the rate for the enlisted men was almost twice as high as the rate for officers.

the diagnoses in this class, averaging 65.9 sick days per case.

Brain conditions were among the most important from the standpoint of severity. Brain abscess, acute nonlethargic encephalitis, and brain hemorrhage accounted for the great majority of the deaths in this class. Meningitis (except meningococcic) also ranked high in the number of deaths, account-

Figure 33.

INVALIDINGS FROM SERVICE - CHRONIC ARTHRITIS NAVY AND MARINE CORPS 1942 -1945



CLASS XVII—DISEASES OF NERVOUS SYSTEM

While the incidence of this class was fairly low during World War II, only 37,112 cases being reported with an incidence rate of 372.4 per 100,000 strength, there were 416 deaths and 13,855 persons were invalided from the service for these conditions. Almost 2½ million sick days were accumulated for

ing for 117 of the 416 deaths in the class. This last group of diagnoses included cerebral meningitis, acute cerebrospinal meningitis, chronic cerebrospinal meningitis, cerebral pachymeningitis, and spinal pachymeningitis.

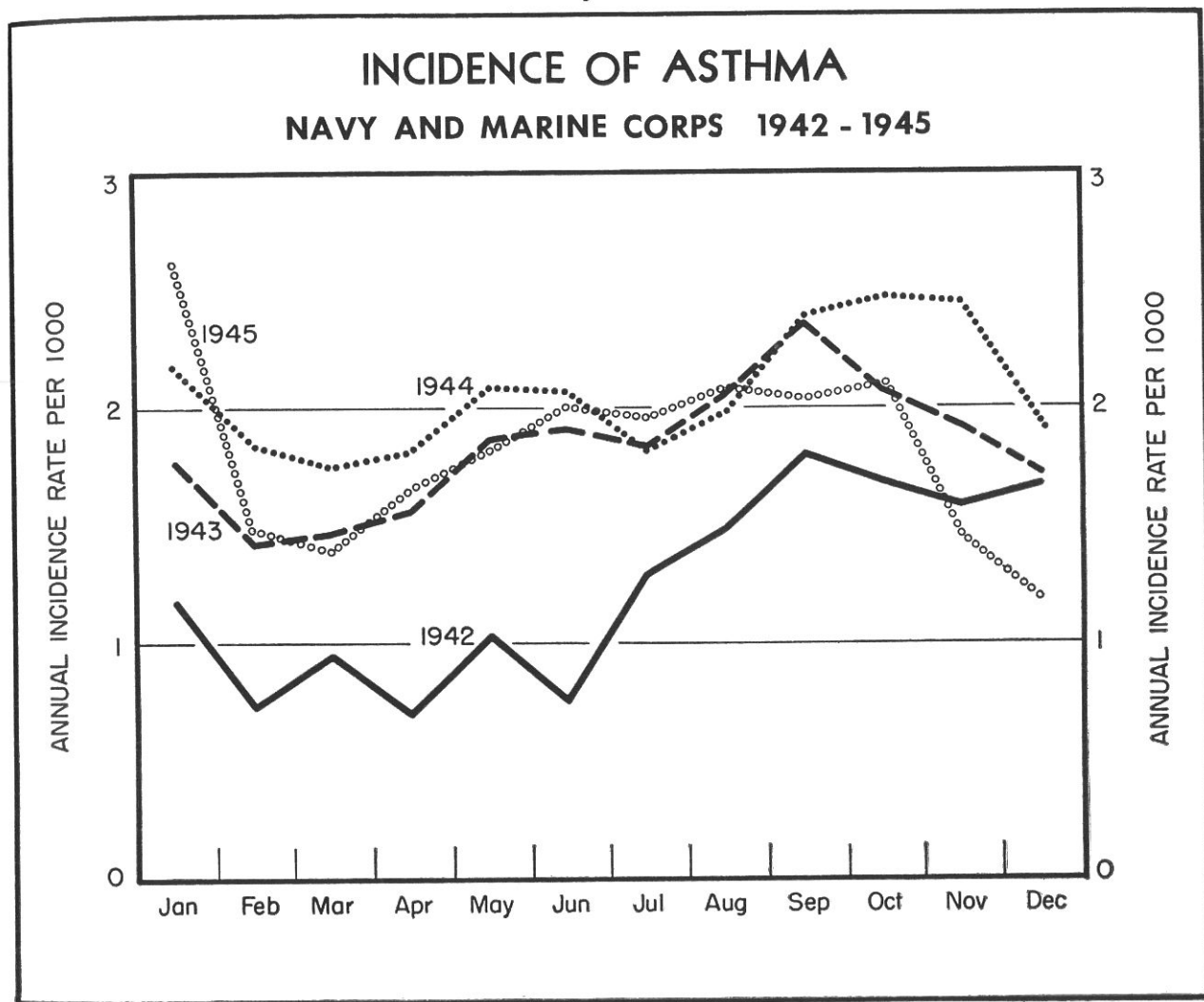
Brain hemorrhages which were responsible for the greatest number of deaths in the class, 172,

included the following specific diagnoses: epidural, subdural, cerebral, cerebellar, pontine, and medullar hemorrhage.

Of the 37,112 cases of diseases of the nervous system in the service during the years 1942 through 1945, 12,034 or 32.4 percent had existed prior to the person's entry into the naval service. In 1942, due to rapid mobilization to meet the emer-

8,778 cases or 23.7 percent of the total incidence. Epilepsy ranked second in order of highest incidence, with 7,077 cases or 19.1 percent of the incidence attributable to this diagnosis. The EPTE factor, as might be expected, played an important part in this condition; 5,523 or 78.0 percent of the cases were determined to have existed prior to the person's entry into the naval service.

Figure 34.



gency, substantial numbers of personnel with nervous system conditions were inducted into the Navy.

Of the diagnoses making up class XVII, epilepsy, migraine, neuralgia, neuritis, and paralysis, accounted for the majority of the cases. Neuritis, the most frequent single diagnosis, accounted for

The disposition of the cases of epilepsy requires some explanation. Certain persons with epilepsy were returned to duty in order to be discharged from the service administratively. Consequently, the number of dispositions "to duty" exceeds the number of persons who actually resumed their normal service duties.

CLASS XVIII—DISEASES OF RESPIRATORY SYSTEM

During the war years there were 60,193 cases of diseases of the respiratory system, 14,815 or 24.6 percent of which had existed prior to the person's entry into the naval service. Of the 60,193 cases, 15,225 were invalidated from the service, a rate of invalidings of 252.9 per 1,000 cases.

The only diagnosis of great numerical importance in this class was asthma, which accounted for 18,744 cases or 31.1 percent of the total incidence during the period. Asthma also accounted for most of the EPTE cases, 10,309 or 69.6 percent of the EPTE's being asthma. From the standpoint of invalidings, asthma also ranked first in importance, 10,934 cases or 58.3 percent of the total incidence being invalidated from the service. This also amounted to 71.8 percent of all the invalidings for the class. In sick days this diagnosis was also outstanding, 1,209,229 sick days being accumulated. In addition to the new cases of asthma there were also 5,730 readmissions for this same diagnosis, indicating that 30.6 percent of the total incidence was readmitted (assuming one readmission per case). Monthly incidence rates compiled for the war period indicated that there was a seasonal pattern for asthma. The rates, in general, increased with the advent of summer and reached their peaks in the fall of each year.

From the standpoint of numbers involved, the next most important diagnosis in the class was pneumonitis, acute, which accounted for more than 11,000 cases during the 4-year period. This diagnosis should perhaps more properly belong in class VIII (communicable diseases transmissible by oral and nasal discharges) since a great many of these cases could have been diagnosed as primary atypical pneumonia.

CLASS XIX—DISEASES OF SKIN, HAIR, AND NAILS

While the majority of the conditions in this class were considered as being of a comparatively minor nature, there were nevertheless more than 2½ million sick days accumulated for these conditions, for a little more than 100,000 admissions. Of the total 108,727 cases of diseases of the skin, hair, and nails, the great majority were service-connected, only 10,250 or 9.4 percent being considered as having existed prior to the person's entry into the naval service.

As might be expected, the great majority of the cases were returned to duty. However, it is sur-

prising in view of the diagnoses in the class that so many persons were invalidated from the service, almost 7,500 being invalidated for diseases of the skin, hair, and nails. The major causes of invaliding were acne, which accounted for 2,156 invalidings or 28.9 percent and eczema which was responsible for 1,173 invalidings or 15.7 percent of all the invalidings for the class. The incidence rate for this class also increased considerably over its prewar level due to the fact that personnel of the Navy and Marine Corps were exposed to wartime conditions which favored the introduction of skin infections.

Numerically, the diagnoses with the highest incidence were dermatitis venenata, dermatitis n. c. c., impetigo, urticaria, and ingrowing nail. There were no deaths for any of these conditions and comparatively few persons invalidated. The 3 deaths listed in the class were all due to lupus erythematosus, of which there were 374 cases and 180 invalidings.

CLASS XX—HERNIAE

Of the 64,899 cases of herniae in the Navy and Marine Corps during World War II, 53,605 or 82.6 percent were inguinal hernia (both direct and indirect). With the induction of large numbers of personnel to meet the emergency, the incidence rates for inguinal hernia in the Navy and Marine Corps increased considerably over prewar rates. This increase may be attributed in the main to the rapid mobilization which occurred in the earlier war years and the attendant induction into the service of persons in whom the hernia condition already existed. The incidence rates for inguinal hernia in 1942 were the highest in the entire war period, being almost twice as high as the corresponding rate for 1945. This high rate in 1942 was directly due to the afore-mentioned induction of recruits in whom the condition already existed (EPTE's). In 1942, 71.5 percent of all the cases of indirect inguinal hernia and 55.9 percent of all the cases of direct inguinal hernia were EPTE's.

In the 4-year period 1942 through 1945, there were 53,605 cases of inguinal hernia reported, this disease thus ranking seventeenth in incidence and accounting for 1.0 percent of all the morbidity in the period. Of all the inguinal hernia in the Navy, 86.6 percent was of the indirect type and 13.4 percent the direct type of the condition. The high cost to the Navy for hernia in sick days made it

even more outstanding. For the same years, inguinal hernia ranked seventh among the diseases in the number of sick days lost, a total of 2,121,500 sick days having been accumulated. This represented 2.0 percent of all the sick days for all morbidity due to diseases and noncombat injuries in World War II.

TABLE 28.—*Hernia, inguinal, sick days and noneffective rates, Navy and Marine Corps: 1942-45*

Year	Sick days						Noneffective rate per 100,000
	Total		Indirect		Direct		
	Number	Average per case	Number	Average per case	Number	Average per case	
Total	2,121,500	39.6	1,823,162	39.3	298,338	41.6	58.3
1942	302,844	38.6	270,939	38.6	31,905	39.0	99.4
1943	491,500	38.7	426,672	38.4	64,828	40.4	63.9
1944	634,494	40.0	536,971	39.3	97,523	43.1	51.8
1945	692,662	40.4	588,580	40.2	104,082	41.8	51.6

In the years following 1942, the incidence rates for inguinal hernia decreased consistently, bringing the rate for 1945 close in line with the experience prior to the war. This decrease in the incidence rate was associated with the decline in the number of cases admitted by the EPTE method.

During the entire period, the majority of the

cases were returned to duty. There were few fatalities; however, the higher fatality rate was noted as being for the direct type of hernia. In the 4-year period there were 959 invalidings from the service for inguinal hernia, 90.0 percent of these being for indirect inguinal hernia and the remainder being for direct inguinal hernia. Related to the incidence of these two diagnoses, this results in a rate of invalidings of 1.9 per 100 cases for indirect inguinal hernia and 1.2 per 100 cases for direct inguinal hernia.

Surgical operations performed for inguinal hernia were particularly notable, operations for inguinal hernia being the most common major surgical procedure in the Navy. During the period 1942 through 1945, there were 57,203 herniotomies performed for inguinal hernia in the Navy. These did not include those herniotomies which were also accompanied by appendectomies, of which there were an additional 196, or hernia recurrent after operation, or strangulated inguinal hernia. Of the herniotomies performed, the major proportion, 91.7 percent, were for indirect inguinal hernia, with direct inguinal hernia accounting for 8.3 percent of the operations. This compared with an incidence distribution for the war years of 86.6 percent for indirect inguinal hernia and 13.4 percent for direct inguinal hernia.

TABLE 29.—*Incidence of hernia, inguinal, direct and indirect, Navy and Marine Corps: 1942-45*

Year	Total		By type and method of admission							
			Hernia, inguinal, indirect				Hernia, inguinal, direct			
	Number of cases	Average annual rate per 100,000	Total	A	ACD-AD	EPTE	Total	A	ACD-AD	EPTE
Total.....	53,605	537.8	46,428	26,864	595	18,969	7,177	4,875	180	2,122
1942.....	7,837	939.0	7,019	2,003	.....	5,016	818	361	.....	457
1943.....	12,704	602.5	11,098	5,520	1	5,577	1,606	976	.....	630
1944.....	15,921	475.3	13,656	8,327	.....	5,329	2,265	1,556	.....	709
1945.....	17,143	466.6	14,655	11,014	594	3,047	2,488	1,982	180	326

There were considerably more operations performed for indirect inguinal hernia in relation to the incidence of this condition than there were for direct inguinal hernia in relation to its incidence. It should be pointed out that the operations performed for these conditions do not necessarily represent one operation for each case of the disease, since more operations may be performed than the incidence would indicate. This was due to the fact

that persons readmitted to the sick list were not included in the incidence and the fact that more than one operation may be performed for one particular case.

There were no outstanding differences between the direct and indirect forms of inguinal hernia herniotomies in the type of anesthesia employed, there being approximately the same distribution in each. Spinal procaine was the principal anes-

thetic administered in herniotomy, accounting for 83.4 percent of all the anesthesia employed. Local and regional anesthesia ranked second, with procaine the primary choice here, accounting for 14.9 percent of all the anesthesia administered. The inhalants and the intravenous types of anesthesia accounted for comparatively small numbers of cases each.

TABLE 30.—Deaths and invalidings for hernia, inguinal, direct and indirect, Navy and Marine Corps: 1942-45

Year	Died			Invalided from service		
	Total	Indirect	Direct	Total	Indirect	Direct
Total...	8	4	4	959	872	87
1942.....	2	1	1	250	231	19
1943.....	2	.....	2	364	343	21
1944.....	2	1	1	206	185	21
1945.....	2	2	.....	139	113	26

Of the complications and sequelae of inguinal hernia, the most important single complication was inguinal hernia recurrent after operation. There were 150 of these cases, 39 among the direct inguinal hernia group and 111 among the indirect group, or a percentage of incidence of these conditions of 0.5 for direct inguinal hernia and 0.2 for indirect. This indicated that the possibility of hernia recurrent after operation was greater among the direct inguinal hernia cases than among the indirect. However, it should be kept in mind that since no follow-up of the cases of inguinal hernia, subsequent to their separation from the naval service was made, it was not possible to ascertain how many additional recurrent cases occurred after separation or may yet occur. Among the other complications were incorporated a wide variety of conditions, principal among which were abscess, abdominal or inguinal; cellulitis, inguinal; embolism, pulmonary artery; pneumonia, broncho- and lobar; and phlebitis, cicatrix, and adhesions of various parts.

CLASS XXI—MISCELLANEOUS DISEASES AND CONDITIONS

This class includes a wide variety of heterogeneous conditions, which, for the purpose of reporting and tabulation were grouped together under "miscellaneous diseases and conditions." Upon first inspection, the class as a whole seems to have been an extremely formidable one from the standpoint of numbers of cases, invalidings from the service, and sick days, but when the component parts,

which make up the class, are analyzed separately these high numbers are understandable. For the class as a whole, there were 362,783 admissions, 42,787 or 11.8 percent of which were conditions which were deemed to have existed prior to the person's entry into the naval service. This high incidence results in the class ranking third on the basis of incidence of all the disease classes, being exceeded only by communicable diseases transmissible by oral and nasal discharges and diseases of the digestive system. There were 29,447 invalidings from the service for this class, with a rate of invalidings of 295.4 per 100,000 strength.

It may be noted in appendix tables 1 and 2 that this class includes a great many conditions which are complications or sequelae of injuries (both combat and noncombat). In addition, there were large numbers of cases of admissions without disease. These may be noted under "no disease," a category which contains cases of persons being held for observation for aptitude, medical observation, communicable disease contact, convalescent leave, and so forth. This last group, "convalescent leave," was one of the most important in sick days accumulated. "Convalescent leave" accounted for almost 3 million sick days during the war years. Approximately 2 million sick days were accumulated by the diagnosis "medical observation."

Actually, the entire category "no disease" accounted for 203,205 cases or 56.0 percent of the total incidence of the class. It also was responsible for 6,441,317 sick days or 52.3 percent of all the sick days accumulated for the class.

Among the conditions included in the class which are worthy of special attention are those relating to amputees. The problem of amputees in World War II was an important one and one which aroused a great deal of interest. A special effort was made to maintain a complete file of those cases which sustained major amputations (traumatic or surgical) during the period of World War II in the Navy and Marine Corps. In order to supplement the data normally reported, via the Fa card, the Navmed N (Certificate of Death), and the Navmed M (Report of Medical Survey), health records of the individual amputees, and additional microfilm records and reports from the special amputee centers at Philadelphia and Mare Island were utilized.

A tabulation of the data contained in this special amputees register revealed that there were 2,132

amputees in the Navy and Marine Corps during World War II. The direct causes for these amputations were traumatic amputations, partial amputations, loss of blood supply, osteomyelitis, gas gangrene, and diseases such as malignancies, peripheral thrombosis, and Buerger's disease. While the counts on the number of "absence acquired" cases are included in appendix table 1 it is impossible to determine, from a mere count of these diagnoses in class XXI, all of those persons who sustained amputations, since some of these were masked under different diagnoses. This was the reason for the special register to provide information on the

actual number of persons who were involved in these conditions.

The amputations included in the study were primarily the result of combat casualties, 63.3 percent of all the amputees being in this group. As might be expected, the injury resulting in the amputation among Marines was sustained chiefly in land combat, while in the case of Navy personnel, combat aboard ship was responsible for the majority of the amputations. This is substantiated by the data in table 31 which indicate the places of original admission.

TABLE 31.—*Amputees, World War II, by place of original admission*

Area	Total		Navy				Marine Corps				Service unspecified	
			Officers		Enlisted		Officers		Enlisted			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total.....	2,132	100.0	84	100.0	975	100.0	72	100.0	998	100.0	3	100.0
Continental.....	350	16.4	21	25.0	253	25.9	11	15.3	63	6.3	2	66.7
Noncontinental.....	1,165	54.6	19	22.6	216	22.2	58	80.5	872	87.4		0
Northeast Atlantic.....	9	0.4		0	9	0.9		0		0		0
West Atlantic.....	10	0.5		0	10	1.0		0		0		0
Mediterranean.....	6	0.3		0	6	0.6		0		0		0
Southeast Pacific.....	1	0.0		0	1	0.1		0		0		0
Southwest Pacific.....	78	3.7	5	5.9	31	3.2	5	6.9	37	3.7		0
South Pacific.....	120	5.6	2	2.4	21	2.2	2	2.8	95	9.5		0
Central Pacific.....	590	27.6	4	4.7	58	5.9	35	48.6	493	49.4		0
North Pacific.....	177	8.3	6	7.1	61	6.3	6	8.3	104	10.4		0
West Pacific.....	170	8.0	2	2.4	15	1.5	10	13.9	143	14.3		0
Pacific, not elsewhere specified.....	4	0.2		0	4	0.4		0		0		0
Ships.....	522	24.5	36	42.8	464	47.6	1	1.4	21	2.1		0
Battleships.....	45	2.1	2	2.4	41	4.2		0	2	0.2		0
Cruisers.....	47	2.2	2	2.4	45	4.6		0		0		0
Aircraft carriers.....	73	3.4	6	7.1	66	6.8	1	1.4		0		0
Destroyers.....	91	4.3	5	5.9	85	8.7		0	1	0.1		0
Submarines.....	1	0.0		0	1	0.1		0		0		0
Mine patrol.....	39	1.8	4	4.7	35	3.6		0		0		0
Auxiliaries.....	88	4.1	7	8.3	70	7.2		0	11	1.1		0
Landing craft.....	63	3.0	7	8.3	54	5.5		0	2	0.2		0
Miscellaneous.....	75	3.5	3	3.5	67	6.9		0	5	0.5		0
Unspecified.....	95	4.5	8	9.6	42	4.3	2	2.8	42	4.2	1	33.3

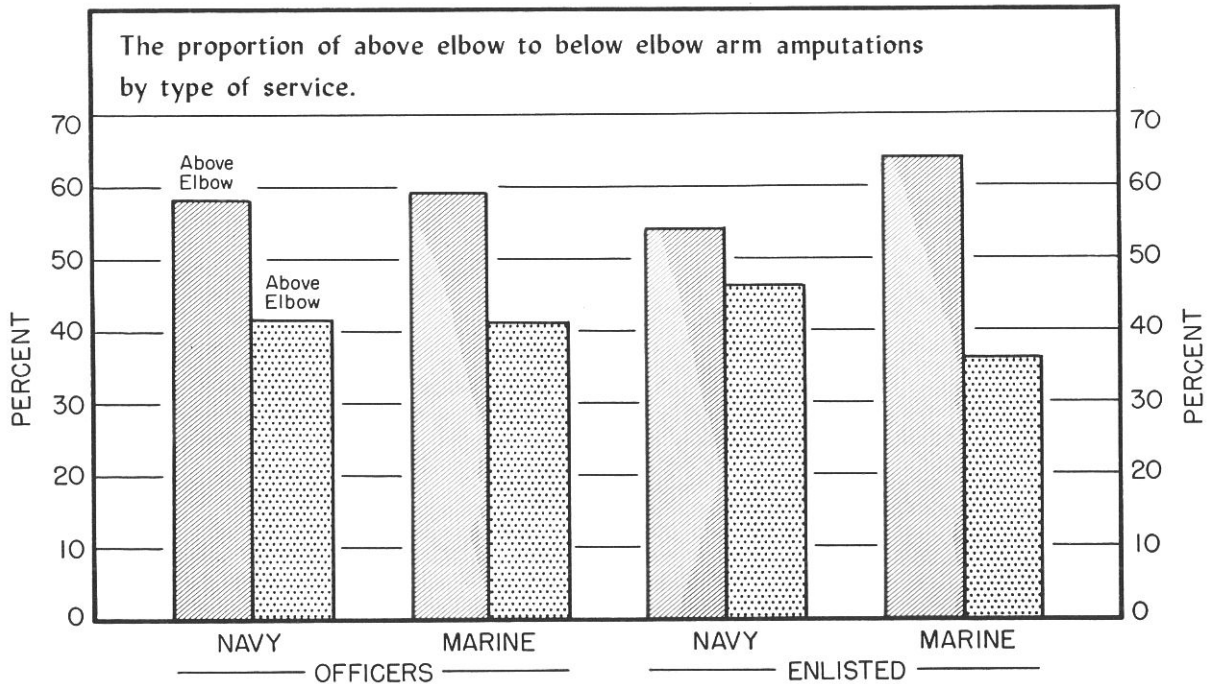
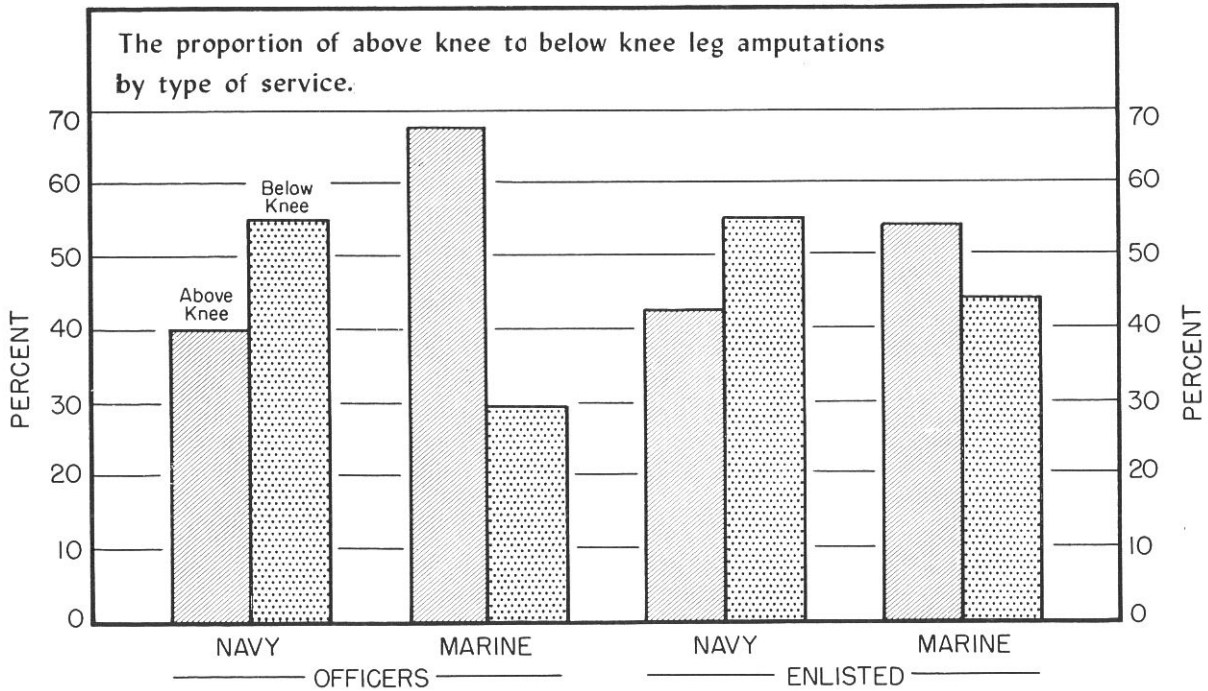
It was observed that 87.0 percent of the Marine Corps amputees were originally admitted at non-continental activities, whereas only 22.1 percent of the Navy amputees were admitted in these areas. As may be expected, ships were the original admitting activity for 47.3 percent of the Navy amputees, while only 2.0 percent of the Marine Corps personnel were first admitted on ships. As contrasted with Marine Corps personnel, it may be noted that a substantially higher percentage of the Navy amputees were first admitted in continental areas, 25.9 percent of these amputees having been

originally admitted at continental activities, whereas, only 6.9 percent of the corresponding Marine Corps group were admitted at these stations.

The type of amputation by the person's service, is set forth in table 32. In comparison to other types, the number of leg amputations was notable, this group accounting for 64.9 percent of all the amputations. Numerically, arm amputations ranked second, with amputations of foot, partial amputations, amputations of hand, multiple amputations, and unspecified amputations next in the order named. Included among the multiple amputations

Figure 35.

AMPUTEES **NAVY AND MARINE CORPS 1942 - 1945**



were 18 cases of one arm and one leg amputated, 5 cases of one leg and the opposite foot amputated, and 5 cases of both legs and one arm removed. The partial amputations consisted primarily of parts of

feet or hands amputated. Not included in this amputee register were those persons who had only fingers or toes amputated, the register being confined to "major amputations" only.

TABLE 32.—*Amputees, World War II, by type of amputation*

Type of amputation	Total		Navy				Marine Corps				Service unspecified	
			Officers		Enlisted		Officers		Enlisted			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total.....	2,132	100.0	84	100.0	975	100.0	72	100.0	998	100.0	3	100.0
Leg.....	1,384	64.9	60	71.4	623	63.8	34	47.2	664	66.5	3	100.0
Left.....	630	29.5	16	19.0	273	28.0	18	25.0	323	32.4	.....	0
Right.....	611	28.7	33	39.3	287	29.4	13	18.0	276	27.6	2	66.7
Both.....	100	4.7	6	7.1	47	4.8	1	1.4	46	4.6	.....	0
Unspecified.....	43	2.0	5	6.0	16	1.6	2	2.8	19	1.9	1	33.3
Foot.....	64	3.0	2	2.4	38	4.0	1	1.4	23	2.3	.....	0
Left.....	16	0.8	.....	0	9	1.0	.....	0	7	0.7	.....	0
Right.....	27	1.2	1	1.2	12	1.2	1	1.4	13	1.3	.....	0
Both.....	5	0.2	.....	0	4	0.4	.....	0	1	0.1	.....	0
Unspecified.....	16	0.8	1	1.2	13	1.4	.....	0	2	0.2	.....	0
Arm.....	536	25.1	17	20.2	236	24.2	32	44.4	251	25.2	.....	0
Left.....	245	11.5	12	14.2	115	11.8	14	19.4	104	10.4	.....	0
Right.....	264	12.4	5	6.0	107	11.0	17	23.6	135	13.6	.....	0
Both.....	9	0.4	.....	0	4	0.4	.....	0	5	0.5	.....	0
Unspecified.....	18	0.8	.....	0	10	1.0	1	1.4	7	0.7	.....	0
Hand.....	43	2.0	2	2.4	19	2.0	2	2.8	20	2.0	.....	0
Left.....	14	0.7	1	1.2	5	0.5	.....	0	8	0.8	.....	0
Right.....	19	0.9	.....	0	9	1.0	1	1.4	9	1.0	.....	0
Both.....	1	0.0	.....	0	.....	0	.....	0	1	0.1	.....	0
Unspecified.....	9	0.4	1	1.2	5	0.5	1	1.4	2	0.2	.....	0
Multiple.....	31	1.5	.....	0	8	0.8	3	4.2	20	2.0	.....	0
Partial.....	60	2.8	2	2.4	43	4.4	.....	0	15	1.5	.....	0
Type of amputation unspecified.....	14	0.7	1	1.2	8	0.8	.....	0	5	0.5	.....	0

It is interesting that the number of amputees, divided by type of service, was approximately the same, there being 84 Navy officers, 72 Marine officers, 975 Navy enlisted, and 998 Marine Corps enlisted amputees. When these numbers are correlated with the strength of the service, the ratio of Navy to Marine Corps personnel having been approximately 6 to 1 during the war years, they assume added significance.

In table 33 is listed the nature of the violence which resulted in the amputation (either traumatic or surgical) distributed by the locality where the person was originally admitted. It may be noted that in the total group, the percent of persons who received their injuries as a result of combat differs considerably between the Navy and the Marine Corps. Nonbattle injuries outweighed the war casualties in the Navy, while the opposite was true in the Marine Corps. The group in which the nature of the violence was unspecified includes the small number who sustained their amputations as a result of diseases such as malignancies, peripheral thrombosis, and Buerger's disease as well as those

amputees in which the cause of the injury was not stated. Of the nonbattle injuries, the various traumas accounted for almost all of the violence, suicide or suicidal attempt and conflagration being responsible for only one amputee each.

CLASS XXII—PARASITIC DISEASES (FUNGI AND CERTAIN ANIMAL PARASITES)

Despite the operation of Navy and Marine Corps personnel in areas in which parasitic infestation was extremely prevalent, the incidence of parasitic diseases in the services was kept at a minimum. During the 4-year period, there were less than 100,000 cases of parasitic diseases, the great majority of these being dermatophytoses and scabies. Actually, these two types of parasitic infestation accounted for almost 85,000 of the approximately 100,000 cases. Fungus infection of the skin was the most prevalent diagnosis of the class. Small numbers of cases of piedra and favus were reported.

Certain diagnoses in this class, such as schistosomiasis and hookworm, for example, have already been discussed with the "tropical diseases" of

TABLE 33.—*Amputees, World War II, by cause of the violence*

Nature of violence and area	Total		Navy				Marine Corps				Service unspecified	
			Officers		Enlisted		Officers		Enlisted			
	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total	Number	Percent of total
Total, all areas.....	2,132	100.0	84	100.0	975	100.0	72	100.0	998	100.0	3	100.0
War casualties.....	1,358	63.7	35	41.7	427	43.8	52	72.2	844	84.6	.....	0
Nonbattle injuries.....	666	31.2	37	44.0	492	50.5	16	22.2	119	11.9	2	66.7
Suicide and suicidal attempt.....	1	0.0	.....	0	1	0.1	.....	0	.....	0	.....	0
Conflagration.....	1	0.0	.....	0	.....	0	.....	0	.....	0	.....	0
Traumatism by.....	664	31.1	37	44.0	491	50.4	16	22.2	118	11.8	2	66.7
Firearms, when fired only.....	70	3.3	3	3.6	43	4.4	2	2.8	22	2.2	.....	0
Cutting and piercing instrument.....	9	0.4	.....	0	6	0.6	.....	0	3	0.3	.....	0
Fall, due to athletics.....	13	0.6	.....	0	10	1.0	.....	0	3	0.3	.....	0
Fall, unclassified.....	10	0.5	.....	0	9	0.9	.....	0	1	0.1	.....	0
Machines.....	83	3.9	.....	0	75	7.7	1	1.4	7	0.7	.....	0
Aircraft.....	54	2.5	13	15.5	37	3.8	4	5.6	.....	0	.....	0
Railroads, railways, and vehicles.....	174	8.2	3	3.6	138	14.2	2	2.8	30	3.0	1	33.3
Assault without deadly weapon.....	2	0.1	.....	0	1	0.1	.....	0	1	0.1	.....	0
Violence, other than specified.....	249	11.7	18	21.4	172	17.6	7	9.7	51	5.1	1	33.3
Unspecified.....	108	5.1	12	14.3	56	5.7	4	5.6	35	3.5	1	33.3
Continental ¹	350	16.4	21	25.0	253	25.9	11	15.3	63	6.3	2	66.7
War casualties.....	11	0.5	.....	0	8	0.8	.....	0	3	0.3	.....	0
Nonbattle injuries.....	304	14.3	16	19.0	223	22.9	10	13.9	53	5.3	2	66.7
Suicide and suicidal attempt.....	1	0.0	.....	0	1	0.1	.....	0	.....	0	.....	0
Traumatism by.....	303	14.2	16	19.0	222	22.8	10	13.9	53	5.3	2	66.7
Firearms, when fired only.....	26	1.2	2	2.4	15	1.5	2	2.8	7	0.7	.....	0
Cutting and piercing instrument.....	4	0.2	.....	0	3	0.3	.....	0	1	0.1	.....	0
Fall, due to athletics.....	10	0.5	.....	0	9	0.9	.....	0	1	0.1	.....	0
Fall, unclassified.....	3	0.1	.....	0	3	0.3	.....	0	.....	0	.....	0
Machines.....	23	1.1	.....	0	21	2.2	1	1.4	1	0.1	.....	0
Aircraft.....	27	1.3	8	9.5	17	1.7	2	2.8	.....	0	.....	0
Railroads, railways, and vehicles.....	106	5.0	3	3.6	85	8.7	1	1.4	16	1.6	1	33.3
Assault without deadly weapon.....	104	4.9	3	3.6	69	7.1	4	5.6	27	2.7	1	33.3
Violence, other than specified.....	35	1.6	5	6.0	22	2.3	1	1.4	7	0.7	.....	0
Unspecified.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Noncontinental ¹	1,165	54.6	19	22.6	216	22.2	58	80.6	872	87.4	.....	0
War casualties.....	966	45.3	10	11.9	95	9.7	51	70.8	810	81.2	.....	0
Nonbattle injuries.....	189	8.9	9	10.7	114	11.7	6	8.3	60	6.0	.....	0
Conflagration.....	1	0.0	.....	0	.....	0	.....	0	1	0.1	.....	0
Traumatism by.....	188	8.8	9	10.7	114	11.7	6	8.3	59	5.9	.....	0
Firearms, when fired only.....	31	1.5	1	1.2	16	1.6	.....	0	14	1.4	.....	0
Cutting and piercing instrument.....	4	0.2	.....	0	2	0.2	.....	0	2	0.2	.....	0
Fall, due to athletics.....	2	0.1	.....	0	.....	0	.....	0	.....	0	.....	0
Fall, unclassified.....	2	0.1	.....	0	2	0.2	.....	0	2	0.2	.....	0
Machines.....	26	1.2	.....	0	21	2.2	.....	0	5	0.5	.....	0
Aircraft.....	12	0.6	2	2.4	8	0.8	2	2.8	.....	0	.....	0
Railroads, railways, and vehicles.....	49	2.3	.....	0	34	3.5	1	1.4	14	1.4	.....	0
Assault without deadly weapon.....	2	0.1	.....	0	1	0.1	.....	0	1	0.1	.....	0
Violence, other than specified.....	60	2.8	6	7.1	30	3.1	3	4.2	21	2.1	.....	0
Unspecified.....	10	0.5	.....	0	7	0.7	1	1.4	2	0.2	.....	0
Ships ¹	523	24.5	36	42.9	465	47.7	1	1.4	21	2.1	.....	0
War casualties.....	358	16.8	25	29.8	314	32.2	1	1.4	18	1.8	.....	0
Nonbattle injuries.....	161	7.6	11	13.1	147	15.1	.....	0	3	0.3	.....	0
Traumatism by.....	161	7.6	11	13.1	147	15.1	.....	0	3	0.3	.....	0
Firearms, when fired only.....	12	0.6	.....	0	11	1.1	.....	0	1	0.1	.....	0
Cutting and piercing instrument.....	1	0.0	.....	0	1	0.1	.....	0	.....	0	.....	0
Fall, due to athletics.....	1	0.0	.....	0	1	0.1	.....	0	.....	0	.....	0
Fall, unclassified.....	5	0.2	.....	0	4	0.4	.....	0	1	0.1	.....	0
Machines.....	33	1.5	.....	0	33	3.4	.....	0	.....	0	.....	0
Aircraft.....	15	0.7	3	3.6	12	1.2	.....	0	.....	0	.....	0
Railroads, railways, and vehicles.....	19	0.9	.....	0	19	1.9	.....	0	.....	0	.....	0
Assault without deadly weapon.....	75	3.5	8	9.5	66	6.8	.....	0	1	0.1	.....	0
Violence, other than specified.....	4	0.2	.....	0	4	0.4	.....	0	.....	0	.....	0
Unspecified.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Location unspecified ¹	94	4.4	8	9.5	41	4.2	2	2.8	42	4.2	1	33.3

¹ Indicates place of original admission. (Either where the original injury took place or where the amputation was performed.)

class X (communicable diseases transmissible by insects and other arthropods).

During the latter part of the war, from 1943 through 1945, the incidence rates for fungus infections of the skin rose considerably. The number of persons in the Navy and Marine Corps who were

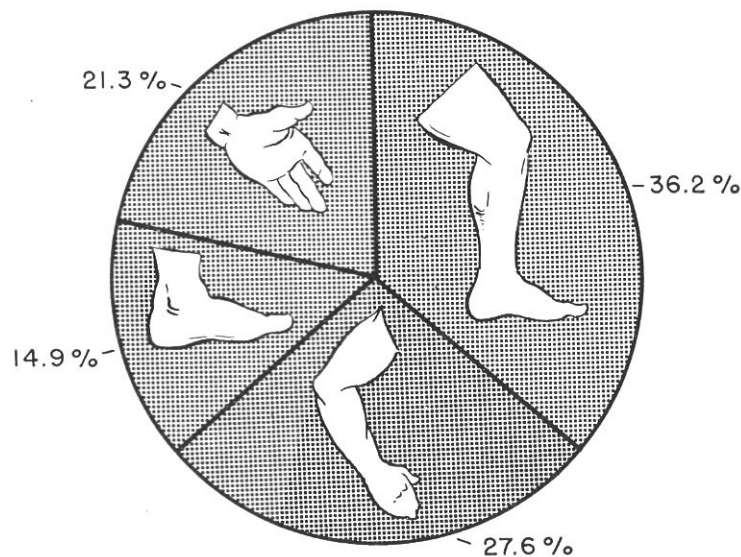
exposed to these types of infections in various areas in which they are special problems was considerably greater during these years than at any other time in the history of the Navy. This undoubtedly contributed greatly to the increase in the incidence of the disease. It is an established fact that in

Figure 36.

AMPUTEES

NAVY AND MARINE CORPS 1942 - 1945

Percent distribution of amputees returned to duty, by type of amputation



tropical areas fungus infections are particularly prevalent and are one of the greatest causes of disability. Thus, during these war years in which large numbers of men in the Navy and Marine Corps were operating in tropical areas, the highest incidence rates were indicated.

In 1943, as greater numbers of Navy and Marine Corps personnel moved into the tropical areas of the Pacific, there was the beginning of the increase in incidence which culminated in the high rate noted in 1944. The "dilution factor" which was operative in the early days of the war (when rapid mobilization resulted in large numbers of personnel undergoing training at continental stations) was less important as the war progressed. As the theater of operations shifted northward in the Pacific in 1945

the incidence of fungus infections reflected a slight decrease.

When distributed by site of the infection, it was noted that fungus infections of the foot, or feet, were the most common, accounting for more than one-half of all the infections. Multiple fungus infections of the skin were also frequent, 17.4 percent of all the fungus infections in the 4-year period being this type. The principal complications of fungus infections were lymphadenitis, cellulitis, and dermatitis infections of other types.

CLASS XXIII—TUMORS

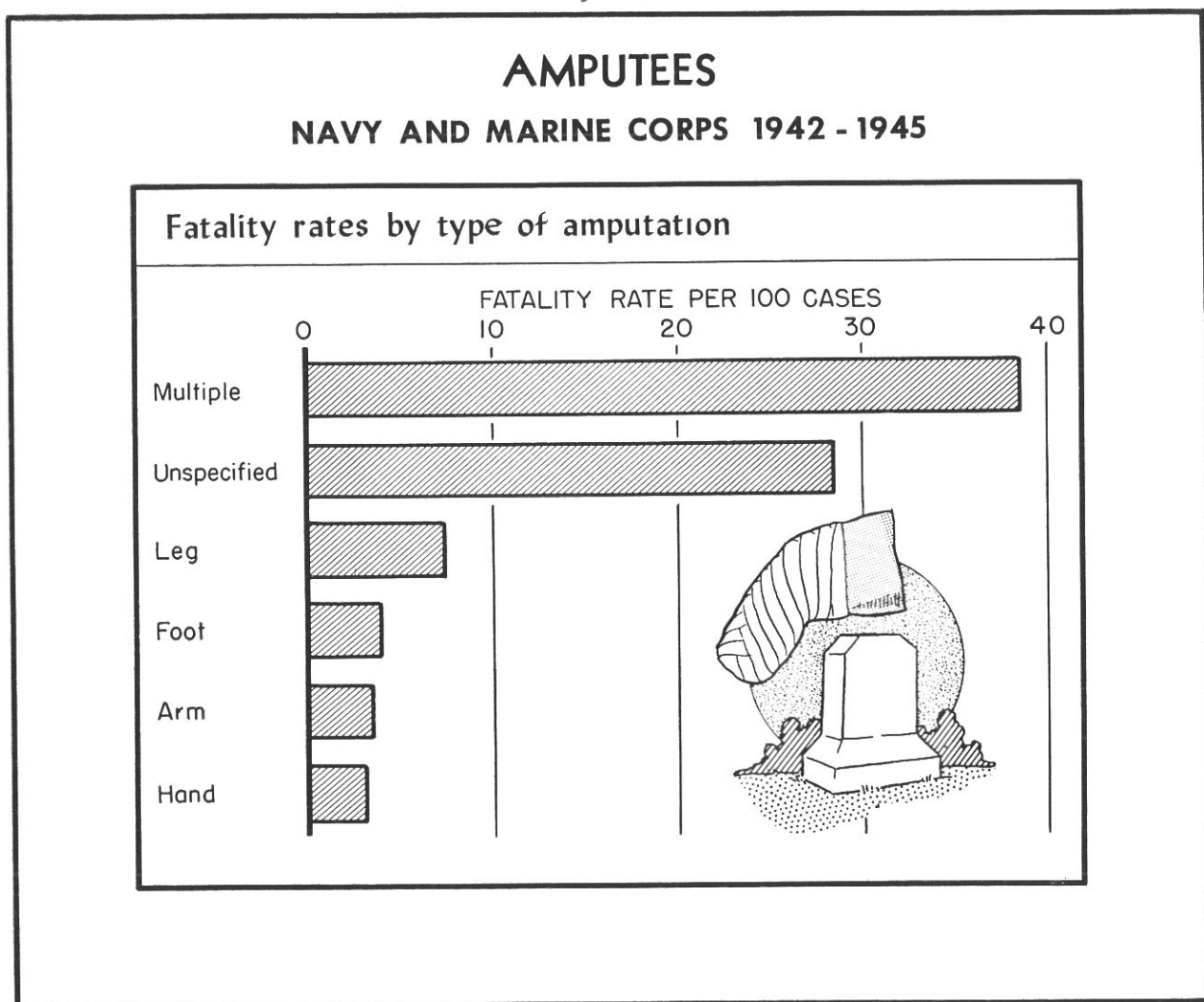
One of the most important classes of diseases, and one which lends itself to detailed study due to the information available on large numbers of

cases, is the class of tumor conditions. This class, during the war years, accounted for 62,412 admissions to the sick list, 58,536 or 93.8 percent of which were considered to be for benign tumors and 3,655 or 5.9 percent to be for malignant tumors. The remainder were cases unspecified as to whether benign or malignant. The class ranked third on over-all death rate in the naval service due to diseases, there being 722 deaths reported or a fatality rate of 1.2 per 100 cases. As might be expected, the malignant tumors accounted almost entirely for the deaths, only 30 of the 722 deaths being reported for the benign tumors. It may be noted in appendix table 1 that there were 689 deaths for malignant tumors, resulting in a fatality rate of 18.9 per 100 cases.

Certain benign and malignant tumors have been selected for special study by age group. Table 34 indicates the distribution of these selected benign tumors by age group.

During the years 1942 through 1945, there were 46,371 cases of the selected benign tumors reported among personnel of the Navy and Marine Corps. Of these, the greatest number, 29,640 or 64.0 percent were cyst, teratomas, with retention cyst accounting for the second highest number. It should be noted that the term "cyst, teratoma" as used during this period referred to the benign condition commonly designated as "cyst, pilonidal." While the malignant tumors showed a definite increase in incidence with age, it may be noted that some of the benign tumors exhibited an entirely

Figure 37.



opposite pattern, the younger age groups having the highest incidence rates. These tumors were cyst, teratoma, verruca acuminata, and warts. Two of the benign tumors which showed increasing incidence rates with age were lipoma and osteoma. The remaining diagnoses exhibited no definitive trend.

The type of tumor most prevalent in each of the age groups differed considerably between the old

and the young. For example, cyst, teratoma accounted for 69.8 percent of the selected benign tumors in the age group 20 through 24, while lipomas accounted for only 1.9 percent of the benign tumors in this group. In the age group from 50-54, however, the diagnosis cyst, teratoma, accounted for only 7.7 percent of the incidence of benign tumors, while lipomas were responsible for 40.0 percent of the incidence in this group.

TABLE 34.—Incidence and rates for selected benign tumors, by age group, Navy and Marine Corps: 1942-45

Age group (years)	Total incidence	Cyst, teratoma ¹		Cyst, retention		Verruca acuminata		Wart		Lipoma		Fibro- adenoma		Osteoma and spur, bone		Fibroma	
		Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000
Total.....	46,371	29,640	297.4	4,468	44.8	2,756	27.6	2,559	25.7	2,204	22.1	1,732	17.4	1,858	18.6	1,154	11.6
Under 20.....	7,717	4,683	186.6	777	31.0	518	20.6	491	19.6	148	5.9	503	20.0	392	15.6	205	8.2
20-24.....	23,474	16,395	433.7	2,016	53.3	1,544	40.8	1,187	31.4	452	12.0	802	21.2	671	17.8	407	10.8
25-29.....	8,633	5,640	325.3	830	47.9	446	25.7	409	23.6	490	28.3	252	14.5	352	20.3	214	12.3
30-34.....	3,852	2,062	204.1	449	44.4	159	15.7	251	24.8	474	46.9	87	8.6	215	21.3	155	15.3
35-39.....	1,813	666	120.3	244	44.1	62	11.2	147	26.6	383	69.2	55	9.9	142	25.6	114	20.6
40-44.....	534	148	67.4	93	42.4	19	8.6	43	19.6	141	64.2	13	5.9	48	21.8	29	13.2
45-49.....	232	34	34.7	41	41.8	6	6.1	23	23.5	78	79.6	12	12.2	19	19.4	19	19.4
50-54.....	65	5	13.0	9	23.4	2	5.2	5	13.0	26	67.7	5	13.0	7	18.2	6	15.6
55-59.....	32	6	38.3	6	38.3	.....	0	2	12.8	5	31.9	3	19.1	6	38.3	4	25.5
60 and over.....	19	1	12.0	3	35.9	.....	0	1	12.0	7	83.7	.....	0	6	71.7	1	12.0

¹Includes inflamed and quiescent. The diagnosis, cyst, teratoma, as used during this period was synonymous with "cyst, pilonidal."

As for malignant tumors, while it has been generally recognized that malignancies occur more frequently among the older age groups, they are also widespread among younger people. In the Navy and Marine Corps these diseases were represented in all of the age groups in the service. Data were compiled on the incidence of certain of these malignant tumors in the various age groups present in the Navy during the war years. The 5 diagnoses with the highest frequencies among the malignant tumors were selected for this study: carcinoma, adenocarcinoma, melanoma, epithelioma, and sarcoma.

During the years 1942 through 1945, there were 2,290 cases of these selected malignant tumors occurring in the Navy and Marine Corps. Of this group, carcinomas were the most commonly occurring malignancy. Epitheliomas ranked second among these malignancies. In table 35 it may be noted that of the various diseases, the one with the highest rate among the older age groups was carcinoma, which had an average annual rate of 299.8 per 100,000 in the age group 55-59 and a rate of 394.5 per 100,000 in the age group 60 and over.

The increase in the incidence rates with age was apparent in each of the diseases, although sarcoma and melanoma did not follow consistent increasing patterns with age.

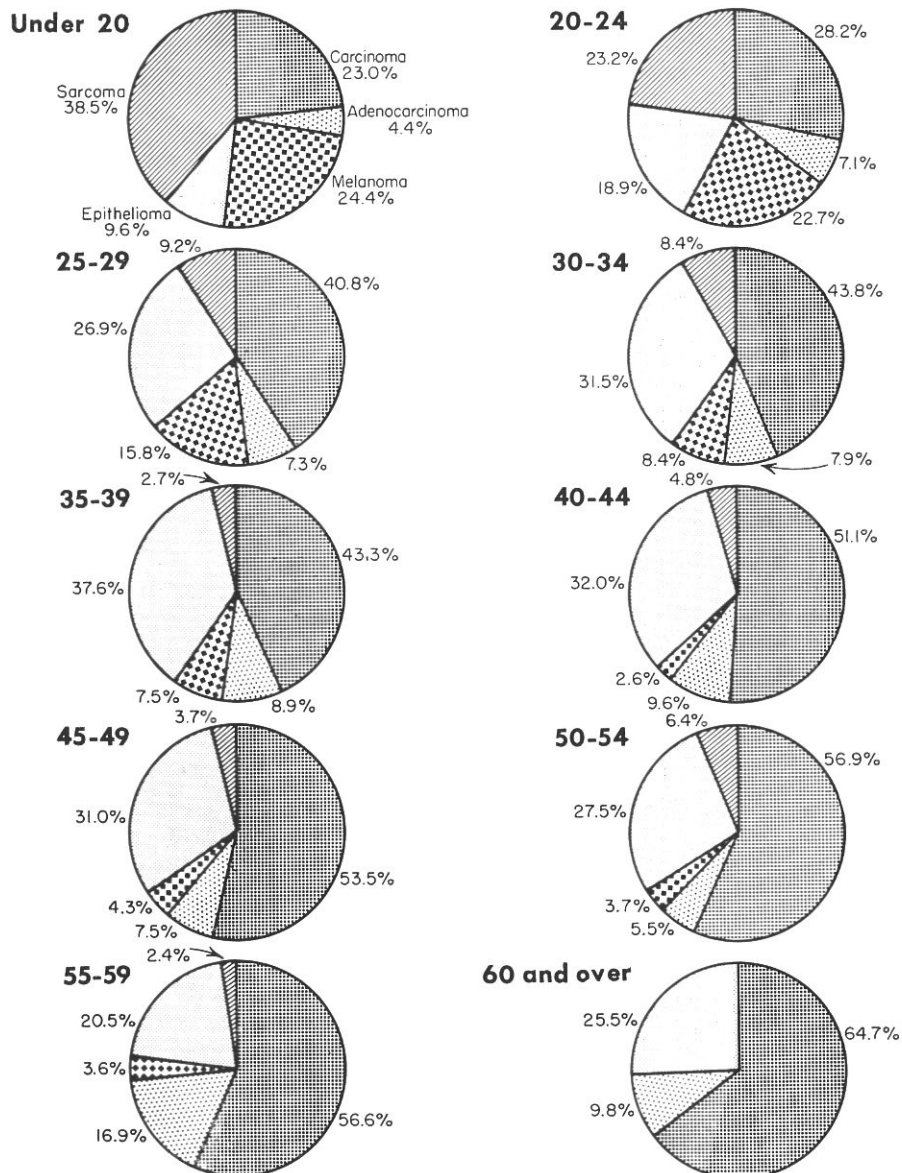
As was true of the benign tumors, the distribution in each group of the type of malignancy most prevalent in that group differed between the young and the old. For example, in the age group under 20, 23.0 percent of the selected malignant tumors were carcinomas, 24.4 percent were melanomas, and 38.5 percent were sarcomas. In the age group 50-54, however, 56.9 percent of the selected malignancies were carcinomas as compared to only 3.7 percent being melanomas and 6.4 percent being sarcomas. In other words, while there is a definite increase in the incidence of malignant tumors with age, the histological type varied considerably between the different age groups.

CLASS XXIV—FEMALE DISEASES AND CONDITIONS

During the war years, there were 229,261 women in the Navy and Marine Corps. Since these women were carefully screened prior to entry into the service, relatively few women entered the service

DISTRIBUTION OF SELECTED MALIGNANT TUMORS NAVY AND MARINE CORPS 1942-1945

BY AGE GROUP



with pre-existing diseases of this class. Only 834 cases were reported as existing prior to entry. During the entire period there were 11,126 cases in this class. Appendix table 2 indicates an average incidence rate of 111.6 per 100,000 strength for this class. However, it is perhaps more meaningful to consider the incidence of conditions of this class in relation to the female personnel rather than to the total personnel of the Navy and Marine Corps. When these 11,126 conditions were related to the

population of women in the service, it was noted that there was an average incidence rate of 4,853.0 per 100,000 strength. Sick days per case for conditions in class XXIV were low, only 11.9 sick days per case being reported and the great majority of the cases were returned to duty. Only 1 death and 661 invalidings from the service were reported for these diseases, an invaliding rate of 59.4 per 1,000 cases.

TABLE 35.—Incidence and rates for selected malignant tumors, by age group, Navy and Marine Corps: 1942-45

Age group (years)	Total incidence	Carcinoma		Adenocarcinoma		Melanoma		Epithelioma		Sarcoma	
		Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000	Incidence	Average annual rate per 100,000
Total.....	2,290	975	9.8	184	1.8	254	2.5	634	6.4	243	2.4
Under 20.....	135	31	1.2	6	0.2	33	1.3	13	0.5	52	2.1
20-24.....	397	112	3.0	28	0.7	90	2.4	75	2.0	92	2.4
25-29.....	316	129	7.4	23	1.3	50	2.9	85	4.9	29	1.7
30-34.....	368	161	15.9	29	2.9	31	3.1	116	11.5	31	3.1
35-39.....	372	161	29.1	33	6.0	28	5.0	140	25.3	10	1.8
40-44.....	272	139	63.3	26	11.8	7	3.2	87	39.6	13	5.9
45-49.....	187	100	102.1	14	14.3	8	8.2	58	59.2	7	7.1
50-54.....	109	62	161.5	6	15.6	4	10.4	30	78.1	7	18.2
55-59.....	83	47	299.8	14	89.3	3	19.1	17	108.4	2	12.8
60 and over.....	51	33	394.5	5	59.8	.....	0	13	155.4	.....	0

CLASS XXVII—DENTAL DISEASES AND CONDITIONS

Of all the dental conditions treated during the war only a small proportion required admission of the patient to the sick list, the great majority being treated with the patient in duty status. In this section are considered only those patients carried on the sick list for dental conditions shown in appendix tables 1 and 2. A more complete picture of the dental work load, including treatment of patients in duty status, is shown in appendix table 6.

In the years 1942 through 1945, there were 51,567 cases on the sick list because of dental diseases and conditions. As may be noted in appendix table 1 the greater percentage of these persons, 40.8 percent, were admitted with the diagnosis "absence acquired, teeth." These consisted almost entirely of cases in preparation for prostheses, a great many of which were persons who were put on the sick list solely for the sake of the special diets necessary for their conditions. It should be pointed out that in civilian life many of these persons would undoubtedly have been treated while they were performing their regular duties, but due to the lack of

facilities in the service for caring for these persons in a duty status, they were admitted to the sick list. In addition to absence acquired, teeth, dental abscesses, and impacted teeth were also notable in contributing to the incidence. The average number of sick days per case for dental diseases ranged from 38.7 sick days per case for malocclusion, teeth, to 5.2 for impacted tooth, with an average for all the dental diseases and conditions of 15.1 sick days per case. The diagnosis malocclusion, teeth, was also outstanding in the percent of cases invalided from the service, 39.0 percent of all the cases of this condition being invalided.

CLASS XXV—INJURIES

One of the most important classes of diagnoses in the Navy and Marine Corps during World War II was the class of injuries. There were 456,826 admissions for injuries during the 4 years, with an incidence rate of 4,583.5 per 100,000 strength. It should be emphasized that the injuries included here are those other than combat incurred. This class ranked second in numbers only to class VIII

(communicable diseases transmissible by oral and nasal discharges), but was considerably more important from the standpoint of deaths and invalidings from the service. The highest death rate of any class in the nomenclature was attributable to injuries, which had 21,922 deaths or an average annual death rate of 220.0 per 100,000 strength. This compares with a death rate of 53.7 per 100,000 strength for all diseases. When related to the incidence of injuries, the 21,922 deaths resulted in a fatality rate of 48.0 per 1,000 cases. It should be pointed out in discussing deaths for this class that in reviewing the individual diagnoses listed it may be noted that in certain cases there were more deaths reported than there was incidence. This is particularly true of diagnoses associated with sudden death, such as drowning and extreme multiple injuries, where death certificates were received and recorded for persons who had not been reported as admitted to the sick list. There were also 12,145 invalidings from the service for injuries, a rate of invalidings of 121.8 per 100,000 strength. In addition to the loss to the Navy in manpower through deaths and invalidings from the service, injuries accounted for almost 12 million sick days during the period.

The vast majority of all the injuries were incurred in the service, only 16,470 or 3.6 percent being those which had existed prior to the person's entry. It may be noted in appendix table 1 that the injuries were divided into certain main categories of conditions, such as abrasions, burns, dislocations, fractures, and so forth. When these categories are examined, it is observed that the group of injuries which accounted for the largest numbers were fractures, both simple and compound.

The diagnosis, simple fracture, ranked high in the Navy and Marine Corps as a cause of man-days lost. During World War II, this diagnosis was responsible for amassing almost 4½ million sick days, second only to the diagnosis catarrhal fever, acute. Prior to the war years, simple fractures ranked first in sick days. In incidence, during the war, this diagnosis ranked among the 10 leading causes for both diseases and injuries, accounting for 2.0 percent of all the diseases and injuries reported in the Navy. As a cause of deaths due to injuries and poisonings, in the same period, simple fractures ranked fifth among the leading causes, accounting for 3.9 percent of the total deaths due to these factors.

During the 4 years, there were 104,820 cases of simple fracture, resulting in an annual incidence rate of 1,051.7 per 100,000 strength. Bones of the extremities were those most frequently fractured. Bones of the upper extremity, as a whole, had the highest incidence of any of the regions. Fractures of these bones accounted for 40.0 percent of the incidence of all the simple fractures. Bones of the lower extremity were the next highest in incidence, being responsible for 36.1 percent of the total.

The high cost to the Navy in sick days lost is one of the most important aspects of simple fractures. As was previously mentioned, there were almost 4½ million sick days reported during the war years for this diagnosis, or an average of 42.7 sick days per case. There was wide variation, however, in the average number of sick days per case when distributed by specific bones fractured.

In appendix table 2 it may be noted that simple fracture of the femur or patella had the highest average number of sick days per case, 116.7. Fractures of the vertebrae and pelvis also ranked high in average sick days per case, with 91.7 and 90.5 sick days, respectively. Simple fractures of the skull resulted in a comparatively low number of sick days per case, only an average of 38.6 sick days per case being reported. However, for the 1,648 cases of simple fracture of the skull, there were 530 deaths, or a fatality rate of 32.2 per 100 cases. Since the great majority of these deaths occurred shortly after the injury was sustained, usually within a very few days, the average number of sick days for all the cases was considerably lowered by these cases with small numbers of sick days.

In contrast to the large number of simple fractures reported, invalidings from the service for these conditions were rather infrequent, only about 15 cases out of each 1,000 being invalidated. Cases of simple fracture of the vertebrae and pelvis were those most frequently invalidated.

While the simple fractures were outstanding from the point of view of high incidence and man-days lost due to the large number of sick days amassed, the compound fractures, nevertheless, comprised a sizeable group, with a higher average number of sick days per case and a much greater percentage of deaths.

During the war, there were 12,868 cases of compound fractures reported in the Navy and Marine Corps, with an average annual rate of 129.1 per

100,000 strength. When compared with the incidence of simple fractures, it was observed that the ratio in the Navy and Marine Corps was approximately 1 compound fracture to 8 simple fractures. As is true of the simple fractures, bones of the upper extremity were the most frequently affected of the compound fractures, accounting for 36.5 percent of the incidence.

As might be expected, in view of the generally more severe condition, the average number of sick days per case for all of the compound fractures was higher than for the simple fractures, 69.3 sick days per case as against an average for the simple fractures of 42.7. When distributed by specific bone, there was also a wide variation in the number of sick days per case for compound fractures. A minimum of 30.3 sick days per case for fractures of the skull was reported to a maximum of 178.0 sick days per case for compound fractures of the lower leg or ankle.

It is interesting to note that the lowest average number of sick days per case for compound fractures was reported for compound fracture of the skull, 30.3 sick days per case. This low figure was due to the afore-mentioned greater percentage of deaths in this group, the persons generally dying shortly after the injury was incurred. Compound fractures of bones of the skull had a fatality rate of 64.8 per 100 cases.

In comparing compound fractures to simple fractures, one of the most important factors was the difference in the over-all fatality rate. Of the simple fractures, only 0.8 percent terminated in death as compared to a fatality rate of 8.1 for all the compound fractures. Skull fractures, both simple and compound, were notable for their high fatality rates. Compound fractures of the skull, however, were almost twice as likely to result in death as simple fractures of the skull (64.8 percent as against 35.4 percent).

One of the most important medical problems in the Navy and one which was particularly important during war time was the problem of burns. During World War II there were 24,084 cases of burns reported in the Navy and Marine Corps. These included 19,858 burns listed in the nomenclature as "not elsewhere classified" as well as chemical, electricity, radium, X-ray, friction, and ultraviolet burns. It is with the "not elsewhere classified" group, which made up almost 83 percent of all the burns reported, that we are particularly

concerned with. These burns included those from flame, hot substances, and similar agents.

Of the 19,858 cases of "unclassified" burns reported, there were further subdivisions into single and multiple, 7,504 or 37.8 percent being multiple burns. This last group is the one which was responsible for almost all of the deaths for "unclassified" burns and which reflected the most noted improvement in fatality rate as a result of the newer methods of treatment. In the first 2 years of World War II, the fatality rate for this group of burns was 17.4 and 17.3 per 100 cases. In 1944, however, the fatality rate dropped to 5.9 per 100 cases and to 7.4 per 100 cases in 1945. An important factor in this reduction in fatality rate was the change in treatment methods including the virtual abandonment of escharotics in favor of paraffined gauze and sulfonamide as the basic dressing. Another factor, hard to evaluate, was the improvement in fire-fighting at sea which probably resulted in a lower proportion of the more serious multiple burns. The over-all fatality rate for the 4 years of World War II for multiple "unclassified" burns (other than combat-incurred) was 8.7 per 100 cases. This compares with a fatality rate of 14.8 per 100 cases for similar burns in World War I.

It is perhaps more significant to include those burns which were combat-incurred (of the multiple "unclassified" variety) with the noncombat burns to show more definitely the effect of the improved treatment in World War II. It should be mentioned in comparing the total rates for World War II as against World War I that the most dramatic improvement in the fatality rate, which is somewhat obscured in a total rate for the entire period, occurred after the first 2 years of World War II.

For the group of multiple burns, if we exclude those persons who were killed in action (since they represented the group that the medical department could do nothing for), we find that in World War II the over-all fatality rate for multiple "unclassified" burns, both combat-incurred and noncombat, was 8.8 per 100 cases. This compares with a fatality rate of 22.9 per 100 cases in World War I for both combat- and noncombat-incurred multiple burns.

CLASS XXVI—POISONINGS

During World War II this class had the second lowest incidence of any of the diagnostic classes in the nomenclature, only 7,141 cases being reported.

However, there were 434 deaths, this class thus ranking sixth in the number of deaths reported for any class. The great majority of the deaths, 398 or almost 92 percent, were for acute poisonings. Outstanding among the agents responsible for these poisonings were denatured and other industrial

alcohols and carbon monoxide. Therapeutic poisonings accounted for an additional 31 deaths. Of the therapeutic poisonings reported, the great majority were due to sulfonamides, with the arsenics and arsenicals accounting for the next highest number of therapeutic poisonings.

Chapter III

Casualties Due to Enemy Action

Introduction and Definition of Terms

The data presented in this section concern the noneffectiveness resulting from war casualties as opposed to that resulting from disease or noncombat injury, which has been covered in the previous section. A war casualty was defined in the manual of the Medical Department as a casualty "incurred during or as a result of action against an organized enemy." This definition has been interpreted to include only injuries sustained as a direct result of enemy action, and to exclude injuries occurring as indirect results of such action or injuries incurred going to or returning from combat actions. Casualties as thus defined were especially identified on the Individual Statistical Report of Patient (Navmed-Fa) which was submitted to the Bureau of Medicine and Surgery in the case of every person admitted to the sick list. As these reports were received in the Bureau, those so identified were placed in a special file. This file was later subjected to painstaking checking of each individual case for the purpose of eliminating duplicates, searching out incompletely reported cases, and consolidating multiple-report cases in order to ascribe the final disposition to the original diagnosis. The resultant file is the source of the data presented in this section and in appendix tables 7 to 21.

The basic data for analysis are derived from the final disposition of casualties. Definitions of the various types of dispositions shown in the tables follow:

Killed in action.—Includes all those who died of wounds on the day on which wounded, and all of those reported as missing in action and later declared dead.

Wounded, died subsequently.—Includes all those dying as a result of wounds subsequent to the day on which wounded.

Died prisoner of war.—This includes all persons who were determined to have died while prisoners of the enemy regardless of cause of death. It is, therefore, the only category that includes deaths from disease as well as from injury.

Total dead.—Includes all in the three previous categories.

Returned to duty.—Includes all those who were wounded and who were reported as being returned to a duty status.

Invalided from the service.—Includes those enlisted men who were separated from the service for physical disability as a result of combat wounds, and those officers retired for physical disability resulting from such wounds.

Total wounded who lived.—Comprises the sum of those returned to duty and those invalided from the service.

Total casualties.—Includes total wounded plus total dead.

It will be observed that throughout this section we will speak for the most part in terms of numbers of casualties rather than in terms of rates. The principal reason for this lies in the difficulty in obtaining a reasonable figure for a population at risk. It is apparent that the entire strength of the Navy and Marine Corps was not exposed to the risk of combat injury. The actual number of those who were is not known, but even if the total figure were available, it is still apparent that the various persons making up the total were exposed for varying periods of time—some for a few days only, some for weeks, and others for months. Any rate that could possibly be computed for such a group could not be made to take into account all of these variables, and would probably be more misleading than helpful. No rates, then, have been computed. The

figures are presented and may be used against any population base which the interest of the user prompts.

The period covered by the casualty data presented here does not coincide with the period for the general morbidity data presented in the previous section. The terminal date is extended through 1946 in order to include the sporadic casualties that occurred after the official end of hostilities from the rare isolated groups of Japanese who refused to believe that the war was over. This corresponds with the termination of hostilities as announced by Presidential proclamation.

The initial date of 7 December 1941 does exclude a few casualties that occurred in the shipping lanes

of the North Atlantic before the United States formally entered the war with the attack on Pearl Harbor. On 15 October 1941 the U.S.S. *Kearney* was torpedoed by a German submarine, and on 31 October the U.S.S. *Reuben James* suffered the same fate. There were other scattered pre-Pearl Harbor casualties from enemy gunfire and strafing by aircraft. The total reported for this period was 140, of which 113 were killed. These casualties are excluded from the main body of data in the text and tables which follow.

The following sections will consider certain aspects of the data on casualties due to enemy action. For more detailed information reference is made to appendix tables 7 to 21.

Comparison With Previous Wars

In the history of the Nation there have been 5 wars in which the naval forces have suffered losses of any magnitude—the American Revolution, the War of 1812, the Civil War, World War I, and World War II (table 36). Each succeeding conflict has resulted in more naval casualties than its predecessor, and beginning with the Civil War, each one has produced more killed and injured than the sum of all of the preceding ones. World War II, which saw the United States put upon the seas the

greatest naval force ever assembled, not only continued this trend but accentuated it. The total number of casualties for World War II was more than 12 times that for the First World War, and nearly 9 times the number of combat casualties sustained by the Navy and Marine Corps in all of its previous history. Stated in another way, of all the casualties ever suffered by the Navy and Marine Corps, 89 percent occurred in the latest conflict.

TABLE 36.—*Navy and Marine Corps casualties in the wars of the United States*

Wars of the United States	Total	Navy		Marine Corps	
		Killed	Wounded	Killed	Wounded
Total.....	162,240	39,746	36,192	22,291	63,776
American Revolution ¹	810	342	114	49	70
Naval War with France.....	62	14	31	6	11
Barbary Wars.....	91	31	54	2	4
War of 1812.....	815	265	439	45	66
Suppression of Piracy in the West Indies 1822-25.....	8	3	5	0	0
Punitive Landing at Quallah Battoo, Sumatra 1832.....	13	2	7	0	4
Seminole War 1835-42.....	8	0	0	2	6
Mexican War.....	62	1	3	11	47
Operations against Indian Puget Sound 1855.....	4	3	1	0	0
Civil War 1861-65.....	4,030	2,112	1,710	64	144
Korea 1871.....	13	2	10	1	0
Spanish American War.....	84	10	47	6	21
Philippine Island Insurrection.....	22	9	0	2	11
Samoa 1899.....	9	4	3	0	2
Boxer Rebellion 1900.....	97	4	26	16	51
Pacification of Nicaragua 1911-13.....	21	0	0	5	16
Occupation of Vera Cruz 1914.....	90	17	57	4	12
Pacification of Haiti 1915-34.....	38	2	0	7	29
Pacification of Dominican Republic 1916-24.....	69	0	0	14	55
World War I.....	11,491	436	884	2,457	7,714
Nicaragua Pacification 1927-33.....	152	1	2	32	117
Sinking of the Panay 1937.....	45	0	245	0	0
World War II.....	144,206	36,488	32,754	19,568	55,396

SOURCE: Naval and Marine Corps Casualties in the Wars of the United States, by Louis H. Roddis, Captain MC, U. S. Navy.

¹ Continental ships only. State navies and privateers not included. 235 additional listed as killed and wounded are included in the total.

² 2 mortally wounded, 11 seriously wounded.

Not only were there more casualties, but among those which occurred there was a higher proportion of killed than in previous wars. Table 37 shows that of the total casualties in World War I, almost 16 percent were killed in action while in the last war this proportion amounted to about 36 percent.

Although in both instances the Marine Corps had higher numbers of casualties, the Navy had a higher proportion killed in action, a proportion

which reached 50 percent in World War II. This can be accounted for by the fact that when a ship explodes or sinks, not only are casualties likely to be extreme, but the medical facilities for caring for the survivors are usually destroyed.

Despite these very large numbers killed in action the brighter side of the picture is shown in the proportion of those wounded who died subsequently (table 38). In the First World War almost 7 per-

Figure 39.

DISTRIBUTION OF CASUALTIES BY WAR

NAVY AND MARINE CORPS

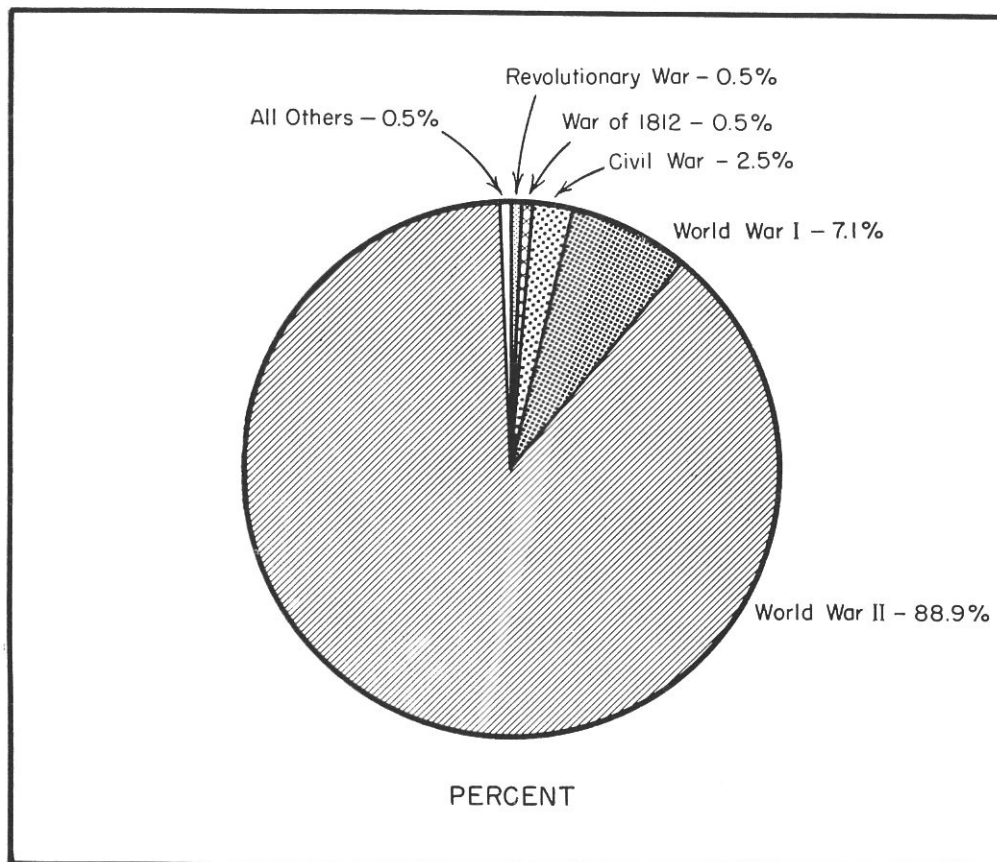


TABLE 37.—*Casualties due to enemy action who died, Navy and Marine Corps, World Wars I and II*

Type of personnel	Total casualties	Total dead		Killed in action		Wounded, died subsequently ¹	
		Number	Percent	Number	Percent	Number	Percent
World War II.....	144,206	56,056	38.87	51,983	36.05	4,073	2.82
Navy.....	69,242	36,488	52.70	34,607	49.98	1,881	2.72
Marine Corps.....	74,964	19,568	26.10	17,376	23.18	2,192	2.92
World War I.....	11,491	2,893	25.18	1,821	15.85	1,072	9.33
Navy.....	1,320	436	33.04	371	28.12	65	4.92
Marine Corps.....	10,171	2,457	24.16	1,450	14.26	1,007	9.90

¹ Includes died prisoner of war.

cent of Navy wounded and almost 12 percent of the Marine Corps wounded died subsequently. In the recent war both of these percentages dropped below 3 percent. This tremendous saving of life

TABLE 38.—*Casualties due to enemy action, percent of wounded who died subsequently, Navy and Marine Corps, World Wars I and II*

	Total wounded	Wounded, died subsequently	
		Number	Percent
World War II.....	90,804	2,654	2.92
Navy.....	33,726	972	2.88
Marine Corps.....	57,078	1,682	2.95
World War I.....	9,670	1,072	11.09
Navy.....	949	65	6.85
Marine Corps.....	8,721	1,007	11.55

resulted in part from the great advances in medical science during the period between the two wars—the discovery of chemotherapeutic and antibiotic agents, advances in surgical technique, methods for the preservation and storage of blood and plasma, and so forth. Perhaps equally as important as

these scientific advances, however, were the measures taken during the war to bring the best emergency medical treatment to the wounded promptly at the scene of the battle, and the further extensive provisions made for their early and rapid evacuation to areas where definitive treatment was provided. The combination of these things resulted in the saving of the lives of over 1,300 Navy wounded and over 4,800 Marine wounded who would have died if the experience of the First World War had been repeated.

These lifesaving developments were not enough, however, to reduce the toll of total dead as a result of casualties as compared to the First World War. Among Marines the percentage of total casualties resulting in death was not notably different in the 2 wars—24 percent in the earlier one as against 26 percent in the recent one. The Navy's experience was less favorable. In World War I, 33 percent of all casualties resulted in death, while in World War II this rose to almost 53 percent. This increase was accounted for by the very great increase in the percent killed in action.

Detailed Consideration of Casualty Data

Table 39 shows the numbers of casualties for the major occupational groups by disposition, and figure 40 their percentage distribution. It is apparent that the largest number of casualties occurred among Marines despite their relatively smaller strength. Due to the nature of the principal mission of the Marine Corps—the assault and capture of enemy-held beaches, a much greater percentage of its strength made actual contact with the enemy. The Navy, on the other hand, had among its missions those of transport and patrol of the seas,

operations in which contact with the enemy was often the result of fortuitous circumstances and occurred more or less frequently in different situations. It is not surprising, then, that Marines were in the majority as casualties. The fact that the Navy had a much higher percentage killed in action has been previously mentioned.

An interesting feature of the dispositions of casualties among the various groups is the difference in the percentage invalidated from the service. Of all officer casualties only about 1 percent were reported

Figure 40.

DISTRIBUTION OF CASUALTIES BY DISPOSITION

NAVY AND MARINE CORPS - WORLD WAR II

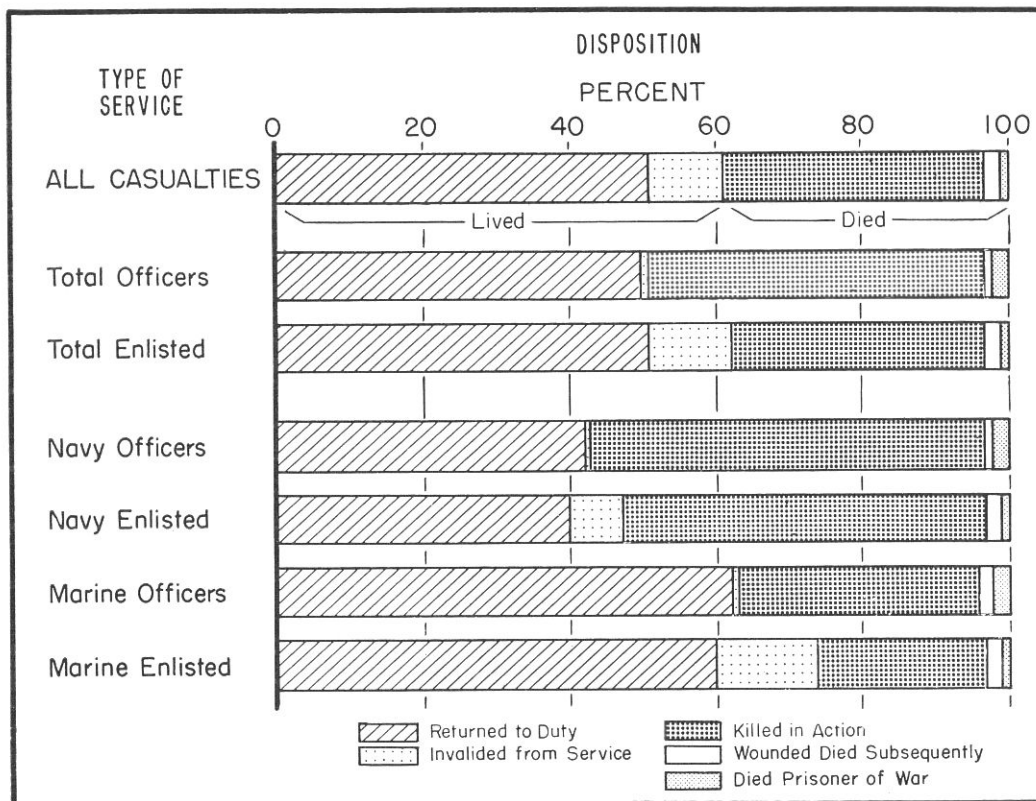


TABLE 39.—Casualties due to enemy action, by disposition, Navy and Marine Corps, World War II

Type of personnel	Total	Total wounded who lived	Wounded		Total dead	Dead		
			Returned to duty	Invalidated from service		Killed in action	Wounded, died subsequently	Died prisoner of war
Total.....	144,206	88,150	73,440	14,710	56,056	51,983	2,654	1,419
Officer (Navy and Marine Corps).....	10,906	5,515	5,444	71	5,391	5,030	159	202
Enlisted (Navy and Marine Corps).....	133,300	82,635	67,996	14,639	50,665	46,953	2,495	1,217
Navy.....	69,242	32,754	28,107	4,647	36,488	34,607	972	909
Officer.....	6,755	2,880	2,850	30	3,875	3,671	68	136
Enlisted.....	62,487	29,874	25,257	4,617	32,613	30,936	904	773
Marine Corps.....	74,964	55,396	45,333	10,063	19,568	17,376	1,682	510
Officer.....	4,151	2,635	2,594	41	1,516	1,359	91	66
Enlisted.....	70,813	52,761	42,739	10,022	18,052	16,017	1,591	444

as invalided from the service while for enlisted men 11 percent were invalided. That this difference is not due to a difference in severity of wounds is suggested by the figures for those who died. Approximately 47 percent of officer casualties resulted in death as against about 37 percent for enlisted men. One factor which may account for part of the disparity in invalidings is the difference in handling of such separations from the service among the two groups. Officers were retired for physical disability only as the result of the action of a retiring board, while enlisted men were invalided from the service by administrative action of the Bureau of Naval Personnel as the result of the recommendation of a Board of Medical Survey. The procedure for enlisted men tended to keep them within the cognizance of the Medical Department until final

disposition. Officers, on the other hand, might be returned to a duty status for later action by a retiring board, and their ultimate disposition, therefore, might not be reported through regular morbidity reporting channels, or, if reported, the relationship to combat-incurred injury might not be clearly stated. In the preparation of the data for tabulation an attempt was made to trace all such cases and to correct them, but it is possible that some were missed.

Table 40 shows the average age and average length of service of persons who were casualties, by occupational group. Officers, as might be expected, had a higher average age and greater average length of service than enlisted men, and the Navy, both officer and enlisted, showed higher values than the Marine Corps. This is probably due to

Figure 41.

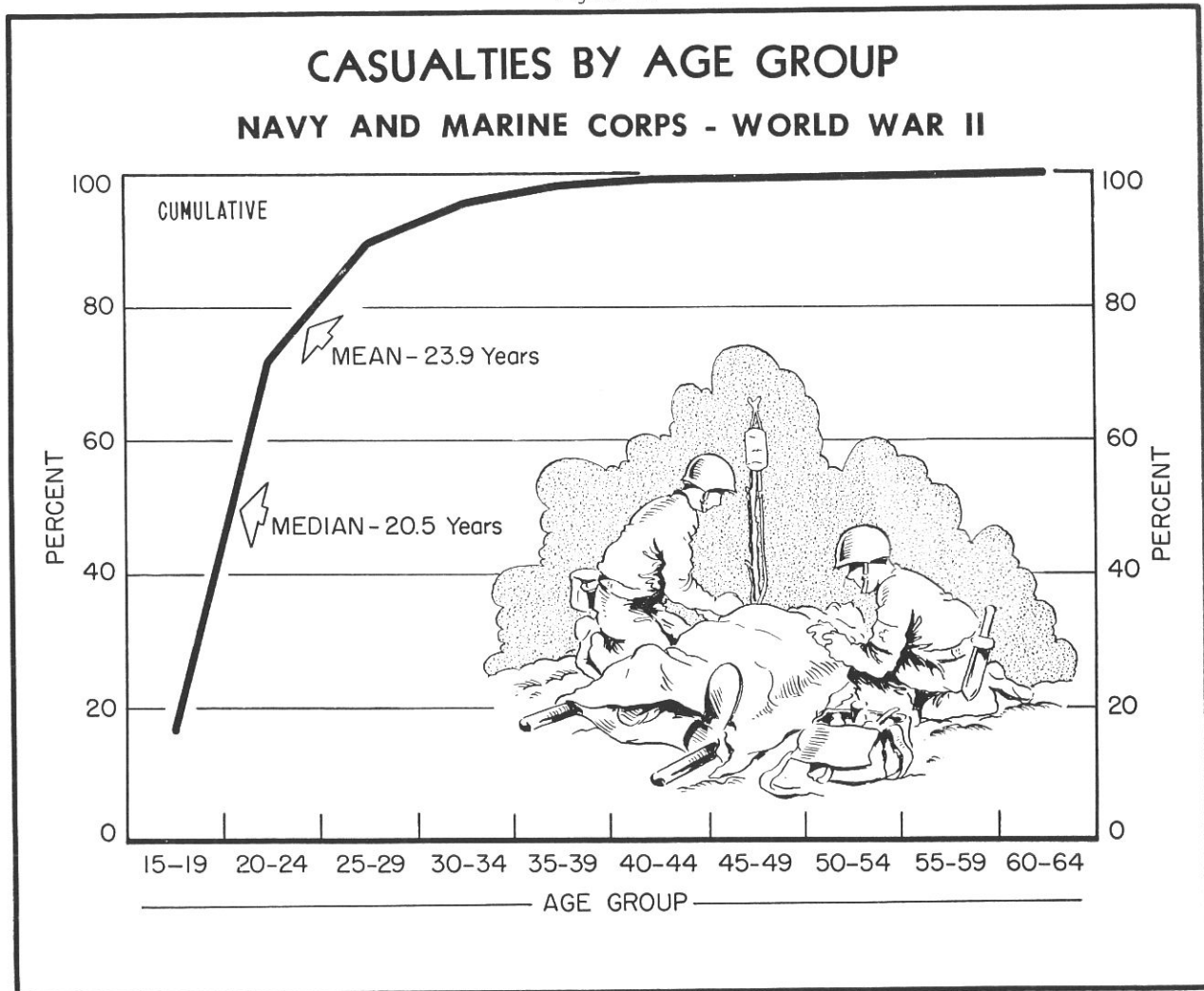
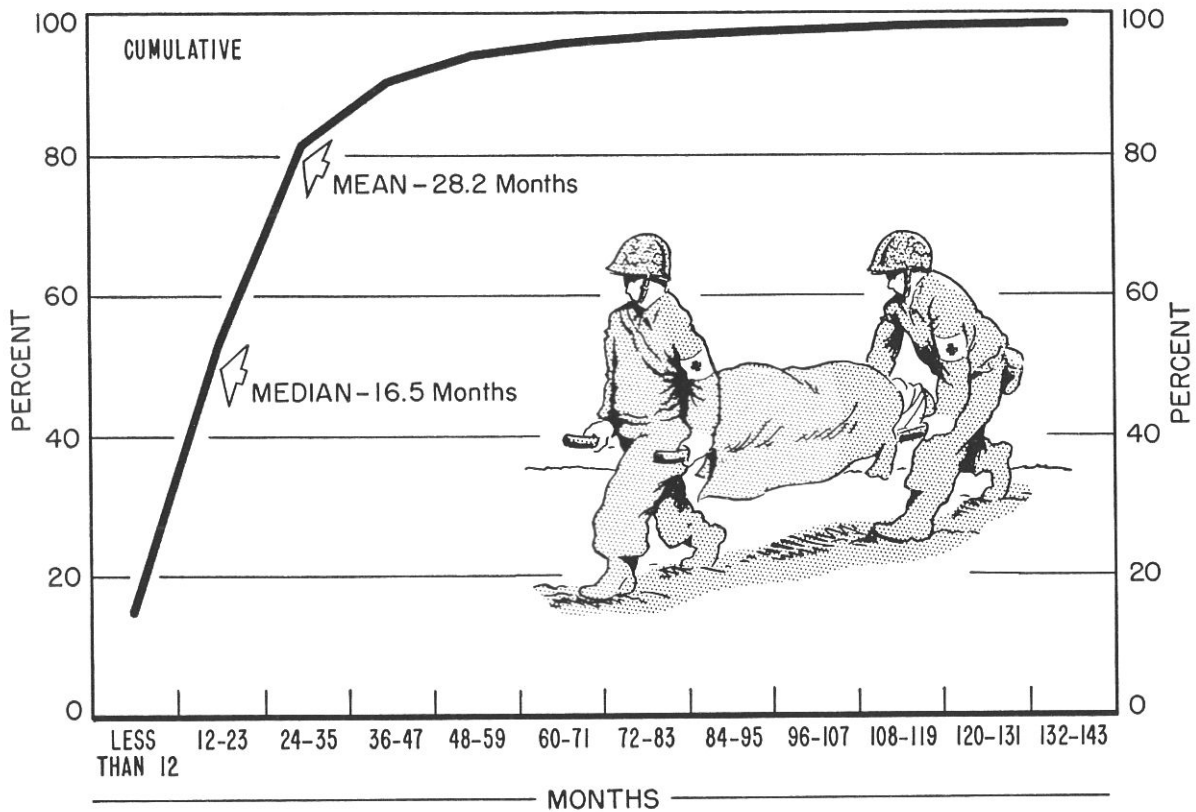


Figure 42.

CASUALTIES BY LENGTH OF SERVICE

NAVY AND MARINE CORPS - WORLD WAR II



the fact that the Marine Corps had a much greater proportionate expansion than did the Navy and, therefore, had a greater percentage of younger people with short service in its strength.

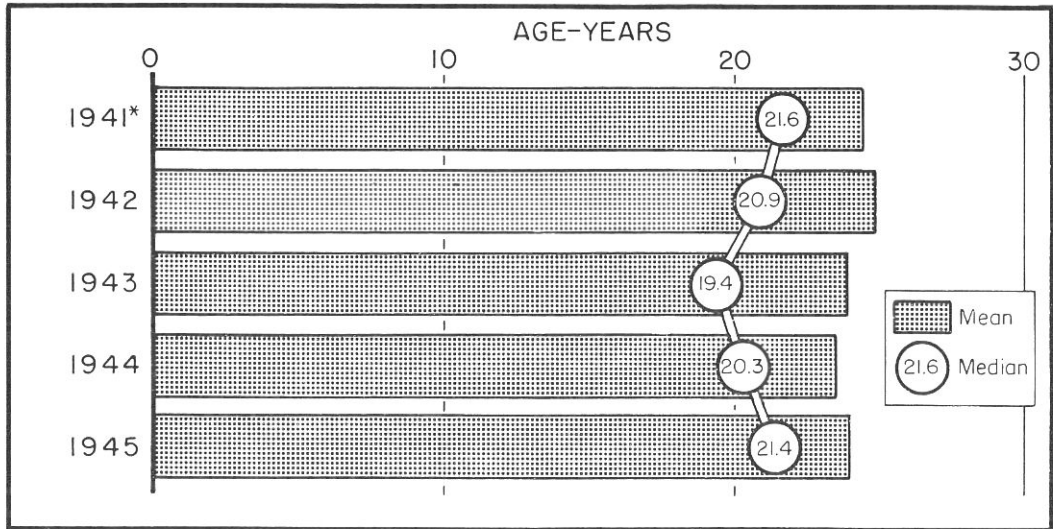
TABLE 40.—Casualties due to enemy action, by average age and average length of service, Navy and Marine Corps, World War II

Type of personnel	Average age, years	Average length of service, months
Total.....	23.4	27.6
Officers (Navy and Marine Corps).....	27.3	46.7
Enlisted (Navy and Marine Corps).....	23.1	26.0
Navy.....	24.2	30.0
Officers.....	28.1	49.5
Enlisted.....	23.8	27.9
Marine Corps.....	22.6	25.3
Officers.....	26.1	42.0
Enlisted.....	22.4	24.3

The more than 144,000 casualties during the war period accumulated a total of more than 9 million sick days, with an average of 63 sick days per case (table 41). Among those who returned to duty, the average stay on the sick list was 65.2 days. For those who died or were invalided from the service, sick days have no importance as a measure of manpower loss; those persons were permanently lost to the Navy from the day they were wounded. The sick days they amassed, however, do give an indication of the load they placed upon the Medical Department. From that point of view it is of interest that 47 percent of the sick days resulting from casualties during the war were contributed by persons who never returned to duty. The vast majority of these days were contributed by the 14,710 persons who were invalided from the service.

Figure 43.

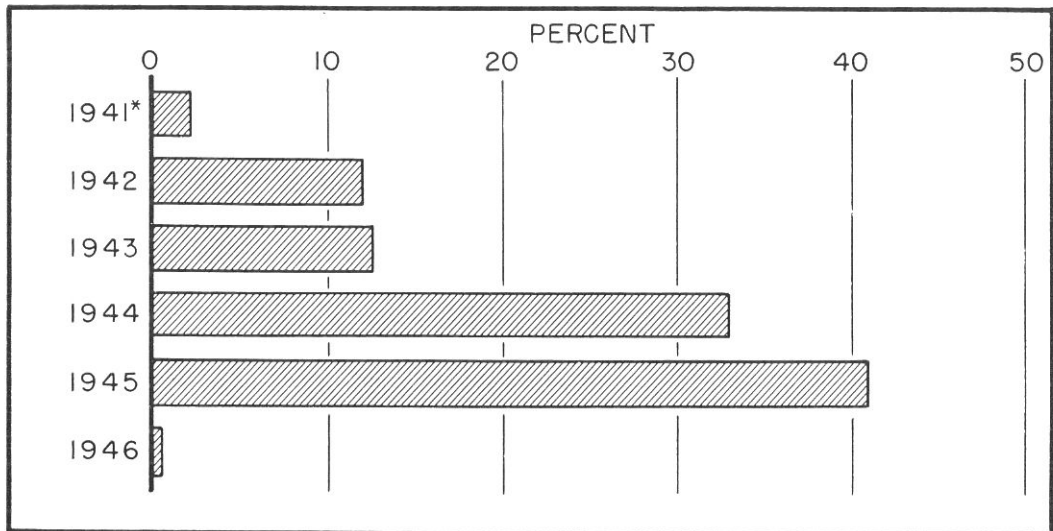
MEAN AND MEDIAN AGES OF CASUALTIES NAVY AND MARINE CORPS - WORLD WAR II



* 7 Dec 1941 - 31 Dec 1941.

Figure 44.

DISTRIBUTION OF CASUALTIES BY YEAR NAVY AND MARINE CORPS - WORLD WAR II



* 7 Dec 1941 - 31 Dec 1941.

This group averaged almost 10 months per man on the sick list before being separated from the service.

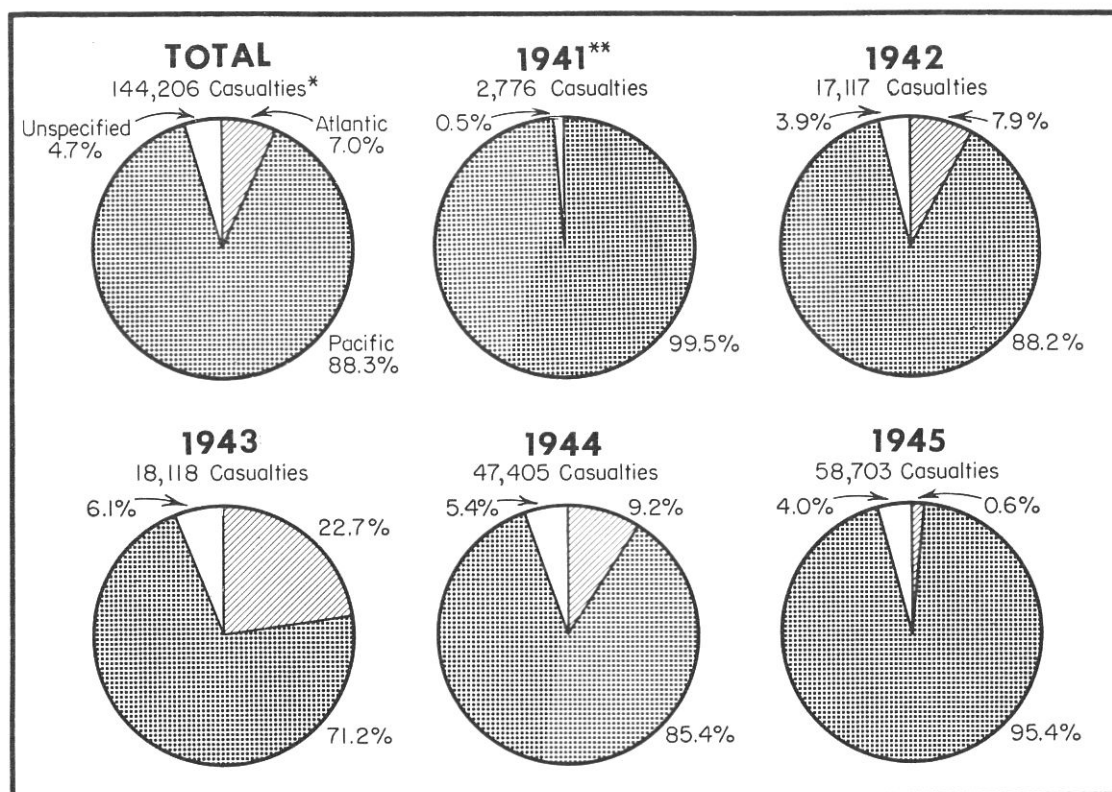
Since the Pacific Ocean area was the scene of the major part of the activity of the Navy and Marine Corps during the war, it was there that the major portion of the casualties occurred. Casualties in the Atlantic area comprised less than one-twelfth of the total. The Nazi submarine operations early in

TABLE 41.—*Casualties due to enemy action, by disposition and sick days, Navy and Marine Corps, World War II*

Disposition	Number of cases	Sick days	Average sick days per case
Total.....	144,206	9,083,641	63.0
Returned to duty.....	73,440	4,792,515	65.2
Killed in action.....	51,983	0	0
Wounded, died subsequently.....	2,654	27,232	10.3
Died prisoner of war.....	1,419	0	0
Invalided from service.....	14,710	4,263,894	289.9

Figure 45.

DISTRIBUTION OF CASUALTIES BY AREA NAVY AND MARINE CORPS - WORLD WAR II



*Includes 67 casualties for 1946.

**7 Dec 1941 - 31 Dec 1941.

the war accounted for a great many of these, the next highest contribution occurring at the time of the Normandy invasion.

In the Pacific the number of casualties increased with successive operations. This was the result of

undertaking increasingly difficult tasks requiring the commitment of increasing numbers of craft and personnel, as well as of an increase in the fanaticism and desperation with which the Japanese defended their holdings. The Solomon Islands campaign

TABLE 42.—*Casualties due to enemy action, Pacific area of operations, Navy and Marine Corps, World War II*

Type of personnel	Total	Died	Wounded
Total Pacific.....	127,294	48,426	78,868
Navy.....	54,863	29,263	25,600
Officers.....	5,352	3,079	2,273
Enlisted.....	49,511	26,184	23,327
Marine Corps.....	72,431	19,163	53,268
Officers.....	3,882	1,378	2,504
Enlisted.....	68,549	17,785	50,764

cost about 15,000 casualties, the Marianas 19,000, Iwo Jima about 22,000, and Okinawa almost 25,000. The Okinawa action accounted for more than 17 percent of the total casualties for the war and more than twice as many as occurred in the Atlantic area throughout the entire course of the war.

TABLE 43.—*Casualties due to enemy action, by selected actions, Navy and Marine Corps, World War II*

Place of action	Casualties		
	Total	Navy	Marine Corps
Total all actions.....	144,206	69,242	74,964
Total Atlantic.....	10,204	10,185	19
North African Landings.....	1,329	1,321	8
Mediterranean Operation.....	2,817	2,809	8
Invasion of France.....	2,744	2,743	1
Other Atlantic.....	3,314	3,312	2
Total Pacific.....	127,294	54,863	72,431
Attack on Pearl Harbor.....	2,554	2,410	144
Fall of the Philippines.....	1,585	1,043	542
Solomon Islands Campaign.....	15,086	8,199	6,887
Battles of Coral Sea and Midway.....	1,252	1,164	88
Invasion of Marshall Islands.....	2,388	751	1,637
Invasion of Marianas.....	19,310	2,148	17,162
Invasion of Palau Island.....	7,094	699	6,395
Return to the Philippines.....	11,201	10,820	381
Battle of Iwo Jima.....	21,677	2,634	19,043
Bombings and landings on Okinawa.....	24,928	10,007	14,921
Other Pacific.....	17,939	13,129	4,810
After 1 July 1945.....	2,280	1,859	421
Specific action not determined.....	6,708	4,194	2,514

Another feature of the individual engagements that strikes the attention is the varying proportions of Navy and Marine casualties involved. This is, of course, a natural result of the different types of actions. The Solomon Islands campaign includes numerous naval actions in support of the troops ashore, and the distribution of casualties between the Navy and Marine Corps is fairly even. Coral Sea and Midway were sea battles principally. There were very few Marines involved and therefore very few Marine casualties. The invasions of the Marianas and Palau are examples of predominantly Marine actions in which the Navy received but a small proportion of the damage.

TABLE 44.—*Casualties due to enemy action, Pearl Harbor, Navy and Marine Corps, 7 December 1941*

Type of personnel	Total	Returned to duty	Killed in action	Wounded, died subsequently	Died prisoner of war	Invalided from service
Total.....	2,554	643	1,843	19	2	47
Navy.....	2,410	606	1,744	17	2	41
Officers.....	122	36	84	.....	2	.....
Enlisted.....	2,288	570	1,660	17	.....	41
Marine Corps.....	144	37	99	2	.....	6
Officers.....	5	2	3	.....	.....	.....
Enlisted.....	139	35	96	2	.....	6

The Pearl Harbor attack which includes the attack and capture of Wake Island took a total of 1,864 lives of Navy and Marine Corps personnel and wounded 711 more. Since most of the casualties resulted from the sinking of ships, it is natural that Marines accounted for only about 6 percent and that the great majority were Navy personnel.

The last great battle of the war was the Battle of Okinawa in which there was a total of 7,266 dead and 17,662 wounded. Table 45 shows the Navy casualties aboard ship by ship type. It is apparent that destroyers not only suffered more casualties than other ship types, but that they had a higher proportion killed than other ship types. This was probably largely a result of such ships being stationed as pickets to give warning of impending air attacks and thereby suffering many such attacks themselves.

Table 46 shows the Marine Corps casualties by weeks, as related to D-day. Tables 45 and 46 do not add up to the sum of all Navy and Marine Corps casualties at the Battle of Okinawa because casualties among Navy personnel serving with the Marines are excluded.

Casualties involving submarine personnel often could not be ascribed to a specific action or campaign since submarines frequently operated independently of task forces and often well in advance of established battle areas. When submarines were operating in the vicinity of, or directly in support of a particular action any casualties they suffered were ascribed to that action. Those submarine casualties which could not be ascribed to any particular action are shown in table 47. Also shown are casualties for all other ships which were not ascribable directly to a particular action. Although the casualties in independently operating submarines are not strikingly numerous, it is apparent that they were rather more fatal than the

general run of casualties. These submarines contributed a little more than 6 percent to the total casualties afloat of this type and almost 12 percent to the category killed in action. Many of these

persons were long carried as missing in action when submarines failed to return from patrols as scheduled and only later were listed as killed in action after the fate of the missing vessel was confirmed.

TABLE 45.—*Casualties due to enemy action by disposition, Navy personnel aboard ships only, Battle of Okinawa*

Ship types	Killed in action		Wounded							
	Number	Percent of total casualties	Total		Died subsequently		Invalided from service		Returned to duty	
			Number	Percent of total casualties	Number	Percent of wounded	Number	Percent of wounded	Number	Percent of wounded
Total, all ships	3,593	39.3	5,538	60.6	197	3.6	748	13.5	4,593	82.9
Battleships	82	19.9	330	80.1	6	1.8	45	13.6	279	84.5
Heavy cruisers	46	42.2	63	57.8	2	3.2	10	15.9	51	81.0
Light cruisers	50	34.7	94	65.3	11	11.7	14	14.9	69	73.4
Carriers (all types)	461	55.6	368	44.4	17	4.6	58	15.8	293	79.6
Destroyers	1,925	48.3	2,064	51.7	76	3.7	222	10.8	1,766	85.6
Destroyer escorts	181	38.6	288	61.4	12	4.2	60	20.8	216	75.0
Transports	172	20.3	675	79.7	18	2.7	97	14.4	560	83.0
Mine craft	357	39.6	544	60.4	26	4.8	97	17.8	421	77.4
Landing ships and craft	193	24.5	595	75.5	16	2.7	55	9.2	524	88.1
All other ship types	126	19.6	517	80.4	13	2.5	90	17.4	414	80.1

TABLE 46.—*Casualties due to enemy action, by disposition, Marine Corps, Battle of Okinawa*

Date of admission		Total	Dead			Wounded, recovered		
Calendar date	Relation to D-day		Total	Killed in action	Wounded, died subsequently	Total	Returned to duty	Invalided from service
Total campaign		14,921	3,244	2,899	345	11,677	9,649	2,028
Preceding D-day	(1-2-45 to 3-31-45)	108	19	15	4	89	73	16
First week	(D-day-D+6)	540	132	121	11	408	340	68
Second week	(D+7-D+13)	573	137	124	13	436	349	87
Third week	(D+14-D+20)	596	117	103	14	479	411	68
Fourth week	(D+21-D+27)	171	35	34	1	136	115	21
Fifth week	(D+28-D+34)	715	254	233	21	461	377	84
Sixth week	(D+35-D+41)	2,018	535	486	49	1,483	1,220	263
Seventh week	(D+42-D+48)	2,835	617	544	73	2,218	1,809	409
Eighth week	(D+49-D+55)	1,686	292	250	42	1,394	1,149	245
Ninth week	(D+56-D+62)	853	148	134	14	705	575	130
Tenth week	(D+63-D+69)	1,326	246	212	34	1,080	897	183
Eleventh week	(D+70-D+76)	1,443	303	275	28	1,140	974	166
Twelfth week	(D+77-D+83)	1,656	356	318	38	1,300	1,074	226
Thirteenth week	(D+84-D+90)	222	29	28	1	193	160	33
Fourteenth week and later	(7-1-45 to 8-24-46)	179	24	22	2	155	126	29

Appendix table 16 shows casualties among aviation personnel. It is to be emphasized that the figures shown are not confined to casualties resulting from participation in aerial flight, but include all casualties occurring to personnel identified as being associated with aviation regardless of the cause of casualty.

Combat casualties by race are shown in table 48. The fact that races other than Caucasian contributed lower percentages to the casualty total than to the strength total is probably a result of

TABLE 47.—*Casualties due to enemy action, by disposition, Navy and Marine Corps, World War II, Submarines*

Service and disposition	Total	Submarines	All other type ships
Total	54,621	3,450	51,171
Navy	53,239	3,449	49,790
Marine Corps	1,382	1	1,381
DISPOSITION			
Returned to duty	21,697	67	21,630
Killed in action	28,792	3,360	25,432
Wounded, died subsequently	847	2	845
Died prisoner of war	381	14	367
Invalided from service	2,904	7	2,897

differences in types of duty assignment. These races had a large proportion of their strength in steward ratings and occupied billets in which exposure to combat conditions was incidental rather than a specific function of their jobs.

No information is presented on cause of casualty. Although the reporting instructions required a reporting of the circumstances and cause of casualties, the difficulties of determining and recording this information under combat conditions will be readily appreciated. When the information on this subject was tabulated, it was found that almost 70 percent of the cases fell in the category "other and unspecified enemy action." This large propor-

TABLE 48.—*Casualties due to enemy action, by race, Navy and Marine Corps, World War II*

Race	Casualties		Percent of strength
	Number	Percent	
All races.....	144,206	100.0	100.0
Caucasian.....	142,474	98.8	94.9
Negroid.....	1,248	0.9	4.3
American Indian.....	45	0.0	0.2
Other ¹	439	0.3	0.6

¹ Includes 311 reported as Filipino.

tion of unclassified causes, the distribution of which is unknown, renders any classification of the remaining 30 percent of casualties valueless.

Chapter IV Appendix

Detailed Statistical Tables

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps: 1942-45*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
Grand total, all causes.....	5,175,928	4,390,701	584,793	200,434	377,157	4,786,378	27,707	317,769	343,811	106,616,413
CLASS TOTALS										
DISEASES										
Total.....	4,711,961	3,954,276	568,299	189,386	355,300	4,375,869	5,351	305,600	309,267	94,875,166
I. Blood.....	11,095	10,033	381	681	430	9,763	263	384	962	309,554
II. Circulatory system.....	63,373	37,732	19,690	5,951	7,894	43,837	1,264	17,078	7,270	2,792,995
III. Digestive system.....	403,666	362,992	33,274	7,400	15,572	377,839	580	16,387	21,139	7,533,627
IV. Ductless glands.....	5,518	3,623	1,599	296	729	3,291	46	2,075	558	344,544
V. Ear, nose, throat.....	280,947	186,082	77,868	16,997	16,997	257,697	76	15,534	22,068	4,463,427
VI. Eye and adnexa.....	58,972	35,256	20,648	3,068	5,809	48,299	.....	11,228	4,441	1,372,364
VII. Genito-urinary (nonven.).....	197,271	104,805	83,049	9,417	10,784	189,000	163	3,615	13,390	3,053,006
VIII. Oral, nasal discharges.....	1,664,173	1,649,712	1,375	13,086	14,654	1,613,636	852	250	55,609	12,619,476
IX. Intestinal discharges.....	20,295	20,168	10	117	357	20,095	18	1	343	166,228
X. Insects, arthropods.....	164,860	162,077	939	1,844	94,450	242,165	118	991	15,578	4,535,392
XI. Tuberculosis.....	13,775	7,648	4,980	1,147	567	2,076	341	8,519	1,026	1,433,833
XII. Venereal diseases.....	339,794	308,992	20,745	10,057	46,764	363,853	10	2,117	19,182	3,133,963
XIII. Other infective types.....	296,884	286,738	3,427	6,719	11,504	286,636	179	5,801	12,252	5,799,290
XIV. Lymphatic system.....	37,071	35,339	431	1,101	1,273	36,094	65	297	1,665	458,499
XV. Mind.....	151,033	50,777	89,457	10,799	11,501	45,267	36	107,951	8,026	11,789,977
XVI. Motor system.....	146,372	87,168	49,406	9,798	21,094	110,332	3	39,763	13,870	7,076,578
XVII. Nervous system.....	37,112	19,524	12,034	5,554	3,907	20,701	416	13,855	4,276	2,446,525
XVIII. Respiratory system.....	60,193	39,015	14,815	6,363	8,465	45,233	60	15,225	6,492	2,868,794
XIX. Skin, hair, nails.....	108,727	93,814	10,250	4,663	9,633	101,970	3	7,452	6,860	2,594,225
XX. Herniae.....	64,899	38,013	25,284	1,602	3,567	58,028	15	2,388	6,273	2,788,826
XXI. Miscellaneous.....	362,783	251,840	43,925	67,018	53,481	285,893	101	29,447	72,922	12,326,953
XXII. Parasitic.....	98,043	88,959	6,568	2,516	8,435	97,521	19	1,142	6,648	1,742,735
XXIII. Tumors.....	62,412	23,157	37,962	1,293	5,669	58,444	722	2,009	4,813	2,311,974
XXIV. Female conditions.....	11,126	10,015	834	277	552	10,544	1	661	410	132,331
XXVII. Dental conditions.....	51,567	40,597	9,348	1,622	1,212	47,655	.....	1,430	3,194	780,050
INJURIES										
XXV. Injuries.....	456,826	430,922	16,470	9,434	21,759	404,947	21,922	12,145	33,315	11,676,977
POISONINGS										
XXVI. Poisonings.....	7,141	5,503	24	1,614	98	5,562	434	24	1,229	64,270
DISEASES										
CLASS I										
Diseases of blood.....	11,095	10,033	381	681	430	9,763	263	384	962	309,554
Anemias:										
Anemia, pernicious.....	98	71	21	6	14	53	2	44	10	9,139
Anemia, secondary.....	1,372	1,079	63	230	67	1,112	.....	9	287	39,546
Jaundice, hemolytic.....	143	93	41	9	8	87	.....	44	16	7,967
Anemia, n. e. c.....	406	280	77	49	30	238	26	76	73	22,669
Leukemias:										
Acute.....	176	158	6	12	3	10	158	6	3	7,508
Chronic.....	106	88	10	8	18	32	29	54	5	12,766
Granulocytopenia, malignant.....	111	91	.....	20	5	61	25	2	20	3,964
Purpuras, primary:										
Purpura hemorrhagica.....	189	137	35	17	15	107	21	43	23	10,924
Purpura, primary, n. e. c.....	508	457	28	23	25	422	2	33	64	19,852
Mononucleosis, infectious.....	7,794	7,485	23	286	220	7,523	.....	7	437	164,020
Other diseases of the class.....	192	94	77	21	25	118	.....	66	24	11,199

APPENDIX TABLE 1.—Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps, 1942-45—Continued

Diagnosis or diagnostic group	Diagnosis assigned during the period					Dispositions during the period				Sick days
	New cases				Read-missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS II										
Diseases of circulatory system.....	63,373	37,732	19,690	5,951	7,894	43,837	1,264	17,078	7,270	2,792,995
Heart valves and endocardium:										
Diseases of mitral valve.....	6,670	1,325	3,234	2,111	586	1,513	33	4,726	843	362,412
Diseases of aortic valve.....	1,016	269	550	197	75	201	8	754	93	54,506
Endocarditis, subacute bacterial.....	60	44	1	15	.....	7	44	3	12	4,134
Diseases of heart valves and endocardium n. e. c.....	216	97	71	48	13	58	34	63	59	8,354
Coronary arteries:										
Coronary heart disease, arterio-sclerotic.....	1,416	1,082	223	111	170	664	202	509	135	111,940
Thrombosis, coronary artery.....	1,516	1,372	42	102	134	537	598	393	107	135,528
Diseases of coronary arteries n. e. c. and angina pectoris.....	717	573	103	41	138	462	14	225	107	50,878
Hypertensive heart disease.....	667	414	204	49	92	340	24	255	98	44,231
Myocarditis.....	1,466	806	370	290	159	641	83	561	293	95,138
Pericarditis.....	321	185	16	120	18	137	5	32	149	25,400
Disorders of function:										
Auricular fibrillation and flutter and heart block.....	793	556	161	76	95	489	9	212	153	40,344
Disorders of function n. e. c.....	6,120	4,014	1,931	175	771	5,060	6	921	778	198,119
Diseases of the heart n. e. c.....	679	181	404	94	47	187	67	338	99	26,787
Arteries:										
Cerebral embolism and thrombosis.....	221	166	5	50	14	91	26	60	41	18,554
Aorta—dilatation of arch, aneurysm, aortitis.....	172	109	40	23	18	92	17	42	28	9,080
Aneurysm, except of aorta.....	440	149	64	227	38	186	16	70	157	31,225
Arteriosclerosis.....	1,367	980	294	93	163	835	6	513	164	103,452
Hypertension, arterial.....	8,702	4,863	3,467	372	1,465	4,767	8	4,185	873	479,222
Diseases of arteries n. e. c.....	1,081	666	208	207	99	569	42	297	182	61,546
Veins:										
Varicose veins.....	12,569	6,347	5,871	351	1,863	11,818	2	901	1,397	400,431
Phlebitis.....	5,905	4,716	502	687	1,066	5,479	7	808	534	221,100
Diseases of veins n. e. c.....	1,177	884	104	189	128	963	7	182	122	42,624
Syncope.....	3,784	3,057	682	45	181	3,417	.....	292	208	76,147
Angioneurotic edema.....	2,008	1,766	192	50	245	1,932	.....	150	143	45,767
Neurocirculatory asthenia.....	2,182	1,355	702	125	177	1,509	.....	452	304	106,460
Other diseases of the class.....	2,108	1,756	249	103	139	1,883	6	134	191	39,616
CLASS III										
Diseases of digestive system.....	403,666	362,992	33,274	7,400	15,572	377,839	580	16,387	21,139	7,533,627
Buccal cavity or adnexa, except teeth:										
Diseases of salivary gland.....	1,482	1,392	49	41	62	1,455	1	11	66	19,910
Diseases of buccal cavity or adnexa n. e. c.....	1,613	1,511	58	44	52	1,570	.....	12	76	20,712
Diseases of esophagus.....	95	56	29	10	5	60	.....	31	8	3,704
Ulcers of stomach or intestines:										
Ulcer, stomach.....	1,909	1,259	583	67	325	1,187	7	624	269	122,445
Ulcer, stomach, perforated.....	429	375	34	20	35	200	20	91	131	28,259
Ulcer, duodenum.....	18,797	10,552	7,208	1,037	4,977	9,863	14	11,842	1,425	1,572,826
Ulcer, duodenum, perforated.....	573	486	61	26	48	274	25	147	158	40,024
Ulcer, intestine, n. e. c.....	45	26	14	5	6	24	4	10	12	2,865
Gastritis, enteritis, and colitis:										
Gastritis, acute.....	19,858	19,595	198	65	315	19,749	1	11	387	139,301
Gastroenteritis, acute.....	123,236	122,857	183	196	1,159	122,524	3	11	1,566	553,379
Acute enteritis and colitis, n. e. c.....	29,636	28,986	501	149	539	29,324	3	249	569	233,802
Gastritis, chronic.....	7,150	4,857	2,066	227	852	6,224	.....	957	767	288,670
Colitis, ulcerative.....	584	381	139	64	75	245	12	282	87	58,999
Colitis, chronic.....	1,552	1,094	343	115	193	1,205	.....	261	200	77,411
Chronic inflammation of stomach or intestines n. e. c.....	3,755	3,237	445	73	232	3,537	1	85	297	80,496
Appendicitis, acute and chronic.....	98,225	94,053	2,908	1,264	1,704	92,565	246	43	6,713	2,046,973
Functional digestive disturbances:										
Pylorospasm.....	2,749	2,119	580	50	195	2,695	.....	71	192	74,359
Irritable colon.....	3,585	2,512	947	126	316	3,300	.....	310	326	130,107
Constipation.....	4,744	4,363	353	28	116	4,730	.....	13	129	40,503
Functional digestive disturbances n. e. c.....	3,278	2,542	654	82	201	3,051	.....	151	268	97,031
Intestinal obstruction.....	1,470	1,112	150	208	113	1,104	63	96	286	56,077
Rectum or anus:										
Fissure and fistula in ano.....	8,163	6,183	1,377	603	596	7,669	.....	74	832	231,080
Abscess, periproctical.....	4,488	4,196	162	130	234	4,203	1	2	442	75,440
Hemorrhoids.....	47,995	34,622	12,453	920	2,092	45,817	1	83	3,490	878,689
Diseases of rectum or anus n. e. c.....	1,274	909	246	119	126	1,079	.....	106	182	41,291

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read- missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS III—Continued										
Diseases of stomach or intestines n. e. c.	1,480	1,076	241	163	113	1,159	11	105	284	59,980
Liver:										
Cirrhosis	179	121	39	19	25	84	38	56	29	14,502
Atrophy, yellow, acute	58	40	1	17	1	21	33	3	4	750
Hepatitis, acute	3,925	3,676	20	229	102	3,437	24	3	419	116,600
Diseases of liver n. e. c.	287	175	29	83	42	189	4	54	72	20,502
Gallbladder or biliary ducts:										
Cholelithiasis	997	741	187	69	99	810	11	78	161	61,769
Cholecystitis without mention of calculi	6,708	6,099	495	114	393	6,194	8	182	622	208,292
Diseases of gallbladder or bili- ary ducts n. e. c.	87	63	7	17	5	64		5	18	4,898
Diseases of pancreas	171	141	13	17	4	109	27	15	20	7,702
Peritoneum:										
Peritonitis, acute	1,106	409	4	693	21	581	17	4	378	38,101
Abdominal adhesions and chronic peritonitis	1,407	737	410	260	153	1,081	4	233	179	59,468
Other diseases of the class	576	439	87	50	46	456	1	76	75	26,710
CLASS IV										
Diseases of ductless glands spleen. (Endocrines)	5,518	3,623	1,599	296	729	3,291	46	2,075	558	344,544
Thyroid gland:										
Goiter, simple	196	101	94	1	21	172		18	20	7,748
Goiter, adenomatous	650	424	189	37	38	527	1	39	102	30,427
Goiter, exophthalmic	159	104	49	6	16	98	1	41	19	13,595
Hyperthyroidism	611	386	193	32	63	357	3	153	114	40,908
Hypothyroidism	748	506	205	37	67	636		76	85	32,871
Myxedema	29	19	6	4	7	23		13		1,717
Diseases of thyroid gland n. e. c.	128	102	18	8	6	115		3	12	2,885
Parathyroids:										
Hyperparathyroidism	5	4		1		3			1	441
Hypoparathyroidism	13	4	9		1	11		3		489
Diseases of pituitary gland	129	43	83	3	13	53		63	11	7,190
Diseases of adrenal glands	42	28	14		1	10	8	19	1	3,456
Diabetes mellitus	2,350	1,661	556	133	448	1,015	33	1,482	142	176,818
Diseases and conditions of spleen	49	40		9	2	41		3	8	3,087
Diseases of endocrine glands and spleen n. e. c.	409	201	183	25	46	230		162	43	22,912
CLASS V										
Diseases of ear, nose, and throat	280,947	186,082	77,868	16,997	16,997	257,697	76	15,534	22,068	4,463,427
Ear—inflammatory diseases:										
Otitis media, acute	52,177	47,260	645	4,272	1,756	50,063	7	65	3,253	650,186
Otitis media, chronic	15,106	6,118	7,977	1,011	3,409	9,524	6	7,132	1,499	592,927
Otitis externa	20,418	19,738	402	278	1,304	21,018		35	563	175,076
Aero-otitis media	48	43	2	3		41		1	5	381
Myringitis	1,280	1,228	23	29	29	1,222		6	65	8,855
Inflammatory diseases of ear n. e. c.	1,304	1,144	97	63	61	1,216		23	123	23,896
Ear—deafness:										
Unilateral	3,682	1,617	1,590	475	711	1,886		2,130	255	152,476
Bilateral	6,084	2,733	2,621	730	942	2,490		3,809	442	379,795
Diseases of ear n. e. c.	514	254	230	30	42	356		125	61	15,746
Accessory sinuses:										
Sinusitis, frontal	14,970	13,208	1,395	367	695	14,518	5	134	852	178,161
Sinusitis, maxillary	15,660	12,466	2,059	1,135	989	14,545	1	409	1,586	315,527
Mastoiditis, acute	1,956	972	21	963	46	1,684	9	11	279	81,733
Mastoiditis, chronic	858	290	445	123	152	489	3	342	152	48,133
Sinusitis, n. e. c.	6,104	4,469	1,134	501	420	5,170	9	590	687	163,988
Nose:										
Deviation, nasal septum	17,592	5,761	11,189	642	640	15,777	1	65	2,166	300,878
Diseases of nose or nasal fossae n. e. c.	3,862	2,109	1,602	151	313	3,143		456	528	83,226
Mouth or pharynx:										
Angina, Ludwig's	249	212	11	26	6	223	9	4	11	4,711
Tonsillitis, chronic	101,641	51,101	45,890	4,650	4,836	97,545	15	35	8,534	1,082,295
Abscess, peritonsillar	14,755	13,357	75	1,323	477	14,423	7	7	715	143,073
Diseases and conditions of pharynx n. e. c.	1,466	1,100	260	106	38	1,379	1	10	104	20,400
Larynx:										
Laryngitis, chronic	811	648	123	40	93	690		64	125	29,786
Paralysis, vocal cords	103	49	18	36	21	68		35	21	5,689
Diseases of larynx n. e. c.	105	77	10	18		82	1	2	14	1,550
Other diseases of the class	202	128	49	25	17	145	2	44	28	4,939

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Dispositions during the period					Sick days	
	New cases				Read- missions	D	DD	IS	Other		
	Total	A	EPTE	ACD/AD							
DISEASES—Continued											
CLASS VI											
Diseases of eye and adnexa...	58,972	35,256	20,648	3,068	5,809	48,299	.....	11,228	4,441	1,372,364
Optic nerve or retina:											
Detachment, retina.....	365	234	57	74	99	170	.....	189	66	35,981
Optic neuritis and retinitis....	1,654	1,100	401	153	244	970	.....	615	251	91,307
Uveal tract:											
Choroiditis.....	996	559	381	56	206	639	.....	435	92	54,636
Iritis.....	2,086	1,882	83	121	215	1,953	.....	43	269	58,157
Uveitis, n. e. c.....	2,737	1,795	682	260	454	1,776	.....	950	343	154,070
Glaucoma.....	181	111	34	36	29	91	.....	58	46	10,734
Diseases of uveal tract n. e. c....	99	38	47	14	11	66	.....	33	15	2,405
Lens or aqueous and vitreous humors:											
Cataract.....	797	325	429	43	191	426	.....	456	94	37,062
Diseases and conditions of lens or humors n. e. c.....	446	145	104	197	112	262	.....	220	61	20,308
Sclera or cornea:											
Keratoconjunctivitis, epidemic.....	165	152	7	6	15	157	.....	2	16	3,463
Ulcer, cornea.....	3,979	3,596	125	258	268	3,831	.....	28	344	70,693
Keratitis and scleritis n. e. c.....	2,173	1,808	193	172	240	1,911	.....	184	270	78,321
Opacity, cornea.....	749	235	235	279	138	489	.....	305	72	29,721
Diseases and conditions of cornea n. e. c.....	90	34	47	9	7	28	.....	55	8	4,219
Conjunctiva:											
Trachoma.....	84	33	45	6	16	63	.....	31	4	3,192
Conjunctivitis, n. e. c.....	13,514	13,033	303	178	710	13,338	.....	110	715	129,511
Pterygium.....	4,246	2,661	1,484	101	361	4,137	.....	38	378	64,778
Diseases and conditions of conjunctiva n. e. c.....	42	40	1	1	1	35	.....	2	5	530
Eyelids:											
Chalazion.....	1,077	1,019	39	19	16	1,040	.....	2	47	7,139
Hordeolum.....	1,314	1,303	5	6	17	1,311	.....	1	21	5,682
Blepharitis.....	780	643	112	25	54	761	.....	26	42	11,445
Diseases and conditions of eyelids n. e. c.....	310	136	122	52	43	246	.....	40	58	12,138
Lacrimal glands or ducts:											
Dacryocystitis.....	431	319	93	19	39	381	.....	34	46	9,626
Diseases and conditions of lacrimal glands or ducts n. e. c....	194	108	73	13	18	148	.....	29	27	5,700
Extraocular muscles:											
Ophthalmoplegia.....	44	26	8	10	10	33	.....	12	5	2,216
Insufficiency and paralysis of extraocular muscles n. e. c....	2,532	871	1,446	215	441	1,879	.....	754	264	109,199
Disorders of vision, except refractive errors:											
Blindness, bilateral.....	126	17	.....	109	7	32	.....	51	29	14,284
Blindness, unilateral.....	283	78	41	164	62	133	.....	145	55	14,147
Amblyopia.....	4,885	616	4,090	179	1,009	1,964	.....	3,689	192	112,992
Hemianopsia.....	80	47	15	18	15	38	.....	37	16	5,915
Color blindness.....	2,303	50	2,247	6	60	1,948	.....	391	36	23,154
Night blindness.....	108	42	61	5	10	74	.....	31	11	5,617
Refractive errors:											
Astigmatism, all types.....	6,019	1,047	4,852	120	386	4,931	.....	1,197	261	100,753
Myopia.....	2,608	484	2,078	46	196	1,932	.....	747	94	41,141
Errors of refraction n. e. c.....	852	375	459	18	51	723	.....	111	70	16,678
Other diseases of the class.....	623	294	249	80	58	383	.....	177	118	25,450
CLASS VII											
Diseases of genito-urinary system, (nonvenereal)....	197,271	104,805	83,049	9,417	10,784	189,000	163	3,615	13,390	3,053,006
Kidneys or ureters, except calculi:											
Nephritis.....	3,265	2,117	579	569	306	1,712	134	930	639	207,169
Nephrosis.....	30	21	2	7	1	11	.....	5	4	1,519
Abscess, perinephritic.....	149	129	5	15	11	127	.....	.....	31	9,753
Pyelitis.....	6,476	6,021	309	146	352	6,308	1	47	446	94,450
Pyelonephritis and pyonephrosis.....	1,883	1,570	185	128	154	1,584	7	94	309	58,520
Hydronephrosis.....	1,516	845	504	167	266	952	2	331	423	101,674
Albuminuria and hematuria.....	7,070	5,286	1,592	192	515	5,545	1	493	1,253	154,170
Diseases and conditions of kidneys or ureters n. e. c.....	1,765	1,333	295	137	191	1,595	.....	96	237	51,223
Calculi:											
Kidneys or ureters.....	18,652	17,040	1,061	551	2,025	18,393	10	394	1,569	433,387
Other parts of urinary passages.....	682	609	34	39	59	638	.....	15	75	16,415
Bladder:											
Cystitis.....	5,376	4,947	294	135	314	5,141	.....	70	420	102,367
Diseases of bladder n. e. c.....	293	150	120	23	20	194	.....	61	49	10,339
Urethra:											
Urethritis, acute.....	17,430	16,044	1,189	197	777	17,451	.....	7	652	153,248
Stricture, urethra.....	2,453	1,192	966	295	357	2,217	1	240	315	78,350
Diseases of urethra n. e. c.....	4,882	4,190	489	203	614	5,004	.....	26	420	84,814

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS VII—Continued										
Prostate:										
Prostatitis, acute.....	3,048	2,865	78	105	152	2,956		1	218	48,064
Prostatitis, chronic.....	11,394	8,800	1,920	674	1,344	11,104		157	1,398	273,689
Enlargement, prostate.....	434	314	82	38	41	316		26	116	23,526
Testicle(s):										
Orchitis and epididymitis.....	22,123	16,374	675	5,074	1,215	21,792		108	1,247	328,910
Hydrocele, tunica vaginalis.....	4,239	1,906	2,207	126	287	4,086		30	361	101,424
Varicocele.....	8,490	3,405	4,967	118	682	8,281		33	776	169,169
Cryptorchidism.....	1,702		1,702		178	1,364		347	158	50,986
Diseases and conditions of testicle(s) n. e. c.....	535	381	133	21	33	498		2	59	10,171
Penis:										
Balanoposthitis.....	4,019	3,590	323	106	83	3,693		1	370	42,506
Phimosis and paraphimosis.....	21,130	4,828	16,011	291	279	20,664		4	692	176,745
Redundant prepuce.....	46,954		46,954		439	46,249		2	1,044	243,696
Conditions of penis n. e. c.....	254	43	204	7	18	166		75	22	6,879
Other diseases of the class.....	1,027	855	169	53	71	959		1	26	19,843
CLASS VIII										
Communicable diseases transmissible by oral and nasal discharges.....	1,664,173	1,649,712	1,375	13,086	14,654	1,613,636	852	250	55,609	12,619,476
(A) Diseases classed as communicable in standard health department practice.....	315,757	306,526	289	8,942	2,589	288,202	834	245	26,530	5,361,130
Cerebrospinal fever, meningococcic.....	3,530	3,493	6	31	59	2,890	168	32	474	142,663
Chickenpox.....	4,944	4,798	9	137	28	4,608	1	1	335	70,137
Diphtheria.....	922	863	1	58	11	728	20	1	181	25,757
Diphtheritic paralysis.....	83	59	2	22		54		4	20	3,092
Encephalitis, lethargic.....	48	39	7	2	6	32	5	14	3	3,250
German measles.....	62,658	62,256	22	380	176	60,404	3	10	2,246	414,300
Influenza.....	11,985	11,945	6	34	102	11,699	13	3	228	73,995
Measles.....	24,694	24,376	13	305	130	22,261	18	3	2,388	288,540
Mumps.....	63,863	63,129	47	687	400	57,590	4	6	6,533	896,558
Pneumonia, broncho.....	18,901	16,233	35	2,633	258	16,644	164	19	2,255	504,410
Pneumonia, lobar.....	20,071	18,639	25	1,407	268	17,288	185	44	2,581	617,193
Pneumonia, primary, atypical, etiology unknown.....	35,202	33,590	90	1,522	555	32,588	83	26	2,555	856,925
Poliomyelitis, anterior, acute.....	536	508	6	22	23	229	83	56	147	54,070
Scarlet fever.....	59,461	57,803	17	1,641	498	52,569	67	26	6,279	1,338,076
Septic sore throat.....	8,625	8,561	3	61	69	8,389	20		289	68,754
Smallpox.....	8	8				8			1	184
Whooping cough.....	152	152			6	146			11	2,618
Other diseases of the class (A).....	74	74				75			4	608
(B) Common infectious diseases of the respiratory type.....	1,348,416	1,343,186	1,086	4,144	12,065	1,325,434	18	5	29,079	7,258,346
Angina, Vincent's.....	35,704	35,255	140	309	927	35,338	2	3	1,206	265,675
Bronchitis, acute.....	41,772	41,146	125	501	641	40,715	1		1,564	371,210
Catarrhal fever, acute.....	917,540	916,238	210	1,092	6,028	902,775			16,369	4,503,314
Laryngitis, acute.....	10,885	10,746	11	128	94	10,596			297	74,128
Pharyngitis, acute.....	115,906	115,286	37	583	743	113,274	3		2,849	672,935
Rhinitis, acute.....	3,833	3,774	28	31	47	3,771			112	22,191
Tonsillitis, acute.....	218,529	216,620	528	1,381	3,534	214,928	9		6,492	1,305,503
Tracheitis, acute.....	1,140	1,126	3	11	11	1,099			46	8,038
Tracheobronchitis, acute.....	3,061	2,956	3	102	37	2,897	2		141	32,487
Other diseases of the class (B).....	46	39	1	6	3	41	1	2	3	865
CLASS IX										
Communicable diseases transmissible by intestinal discharges.....	20,295	20,168	10	117	357	20,095	18	1	343	166,228
Dysentery, bacillary.....	19,996	19,886	8	102	330	19,830	12	1	298	154,437
Dysentery, balantidic.....	8	8				7			1	271
Paratyphoid fever.....	192	183	2	7	25	179	1		30	6,336
Typhoid fever.....	96	89		7	2	77	5		14	5,132
Other diseases of the class.....	3	2		1		2				52

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read- missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS X										
Communicable diseases transmissible by insects and other arthropods	164,860	162,077	939	1,844	94,450	242,165	118	991	15,578	4,535,392
Malaria:										
Blackwater fever	30	19		11	1	20	1	1	9	1,079
Malaria, benign tertian	89,868	87,683	738	1,447	79,933	159,844	19	539	9,206	2,703,901
Malaria, malignant tertian	9,741	9,656	45	40	3,462	12,373	53	19	745	247,415
Malaria, quartan	363	346	9	8	112	442		4	27	8,473
Malaria, n. e. c.	13,772	13,587	88	97	5,999	18,656	10	67	981	343,754
Dengue	37,663	37,644	4	15	670	37,600	4	2	729	229,678
Filariasis	12,040	11,810	49	181	4,181	12,070		340	3,604	915,842
Tularemia	14	12	1	1		12			1	493
Rickettsial diseases:										
Rocky Mountain spotted fever group	30	29	1		2	28	1		2	877
Typhus, scrub	613	578		35	59	397	28	10	232	63,000
Typhus fever, other	413	407	2	4	15	412	2		30	15,783
Other diseases of the class	313	306	2	5	16	311		9	12	5,097
CLASS XI										
Tuberculosis, all forms	13,775	7,648	4,980	1,147	567	2,076	341	8,519	1,026	1,433,833
Tuberculosis, pulmonary, primary, active	110	90	2	18	2	14		8	12	9,767
Tuberculosis, pulmonary, primary, apparently healed	317	159	129	29	15	158		129	15	18,209
Tuberculosis, pulmonary, reinfection, active	6,674	4,890	1,164	620	205	528	199	3,522	657	942,728
Tuberculosis, pulmonary, reinfection, arrested	5,592	1,787	3,454	351	258	1,132		4,360	161	346,655
Tuberculosis, n. e. c.	1,082	722	231	129	87	244	142	500	181	116,474
CLASS XII										
Venereal diseases	339,794	308,992	20,745	10,057	46,764	363,853	10	2,117	19,182	3,133,963
Gonorrheal infections:										
Gonococcus infection, urethra	277,713	259,774	14,876	3,063	40,824	303,583		119	14,092	2,012,029
Gonococcus infection, urinary system n. e. c.	6,485	1,665	549	4,271	740	6,252		270	693	138,995
Gonococcus infection, joint	423	130	29	264	62	334		23	120	23,322
Gonococcus infection, conjunctiva	180	133	4	43	4	157			28	2,570
Gonococcus infection, n. e. c.	1,676	1,437	54	185	147	1,721	1	7	108	17,094
Syphilis:										
Syphilis, early	26,955	23,954	2,456	545	2,566	25,763		1,253	1,905	484,592
Syphilis, latent	5,236	2,831	1,881	524	912	5,286		127	597	120,901
Tabes dorsalis without psychosis	62	28	25	9	13	40		31	9	6,948
Syphilis of central nervous system n. e. c.	799	364	271	164	151	547	2	241	137	65,061
Syphilis, n. e. c.	3,382	2,906	139	337	651	4,060	7	19	270	68,026
Chancroid and chancroidal lymphadenitis	13,846	12,988	307	551	483	13,234		7	977	132,057
Lymphogranuloma venereum	2,955	2,718	150	87	206	2,818		20	232	60,268
Granuloma inguinale, venereal	63	47	4	12	5	48			11	1,842
Other diseases of the class	19	17		2		10			3	258
CLASS XIII										
Other diseases of the infectious type	296,884	286,738	3,427	6,719	11,504	286,636	179	5,801	12,252	5,799,290
Infections, localized:										
Abscess	28,540	26,349	257	1,934	862	27,728	24	59	1,370	404,200
Carbuncle and furuncle	49,381	48,898	234	249	1,814	49,973	1	63	1,040	362,266
Cellulitis	150,728	148,466	423	1,839	4,329	150,821	12	43	3,729	1,153,902
Gas bacillus infection	207	25	1	181	2	27		1	161	3,830
Focal infection	474	445	15	14	10	463			20	5,066
Food poisoning:										
Food infection	3,338	3,335	2	1	28	3,347			16	13,713
Food poisoning, bacterial	5,672	5,664	2	6	43	5,674		2	39	16,612
Botulism	28	28			2	27		1		212
Food intoxication, n. e. c.	2,343	2,341	1	1	21	2,345	1		22	6,547
Dysentery, n. e. c.	3,991	3,957	9	25	58	3,961	1	1	81	30,067
Erysipelas	1,494	1,391	17	86	94	1,445	1	6	123	18,916
Jaundice, acute infectious	16,761	16,276	55	430	390	14,937	5	12	1,456	446,115
Jaundice, epidemic (Weil's disease)	272	270		2	9	260	4		15	4,960
Rheumatic fever	21,211	17,284	2,302	1,625	3,446	13,780	56	5,442	3,523	3,144,314
Septicemia and pyemia	784	646		138	12	547	63	3	152	26,317
Tetanus	4		1	3		2	11			153
Undulant fever	336	220	70	46	46	213	1	140	36	32,592
Vaccinia	2,317	2,316		1	10	2,301	1	2	25	9,494

¹ Excludes one death coded to primary cause.

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period					Sick days
	New cases				Read- missions	D	DD	IS	Other		
	Total	A	EPTE	ACD/AD							
DISEASES—Continued											
CLASS XIII—Continued											
Yaws.....	26	18	4	4	.....	22	.....	.....	5	657
Fever, cause undetermined.....	8,684	8,572	30	82	321	8,529	2	21	397	112,655	
Other diseases of the class.....	293	237	4	52	7	234	6	5	42	6,702	
CLASS XIV											
Diseases of lymphatic system.....	37,071	35,539	431	1,101	1,273	36,094	65	297	1,665	458,499	
Hodgkin's disease.....	242	202	29	11	41	86	47	111	18	38,719	
Lymphadenitis and lymphangitis.....	36,558	35,159	350	1,049	1,187	35,821	1	99	1,619	406,986	
Lymphangiectasis.....	67	51	11	5	4	54	.....	15	2	1,855
Other diseases of the class.....	204	127	41	36	41	133	17	72	26	10,939	
CLASS XV											
Diseases of mind.....	151,033	50,777	89,457	10,799	11,501	45,267	36	107,951	8,026	11,789,977	
Psychotic conditions:											
Schizophrenia (dementia praecox).....	9,241	4,901	3,987	353	362	675	16	7,854	323	1,158,230	
Psychosis, manic-depressive.....	2,006	1,125	804	77	98	265	2	1,650	98	238,051	
Reactive depression.....	895	607	114	174	36	244	.....	559	86	69,768
Paranoia and paranoid state.....	250	159	79	12	3	52	.....	143	18	25,269
Psychosis, alcoholic.....	305	227	63	15	13	179	.....	49	68	11,236
Psychosis with tabes dorsalis.....	26	6	11	9	1	6	.....	23	2	1,857
Dementia paralytica.....	158	61	57	40	15	51	3	94	18	20,504	
Psychosis with mental deficiency.....	95	40	42	13	2	4	.....	53	4	10,068
Psychosis, n. e. c.....	3,900	2,371	1,193	336	218	682	9	2,577	490	403,922	
Psychoneuroses:											
Psychoneurosis, hysteria.....	8,281	3,844	3,856	581	722	3,013	1	5,053	644	590,840	
Psychoneurosis, anxiety.....	34,274	17,593	12,759	3,922	3,698	8,563	2	27,340	2,967	2,847,266	
Psychoneurosis, neurasthenia.....	3,725	1,177	2,349	199	332	1,191	.....	2,615	222	263,911
Psychoneurosis, obsessive-compulsive.....	874	287	516	71	83	257	.....	650	64	61,088
Psychoneurosis, n. e. c.....	25,638	11,269	12,706	1,663	2,130	9,997	1	16,245	1,607	1,840,666	
Psychopathic personality.....	47,183	6,017	37,981	3,185	2,639	13,262	2	35,708	1,372	3,528,073	
Mental deficiency.....	4,707	.....	4,707	.....	196	2,099	.....	2,680	117	248,786
Speech disorder.....	401	61	325	15	28	125	.....	231	47	23,605
Alcoholism, chronic.....	890	338	523	29	100	695	.....	156	151	39,168
Enuresis.....	5,627	.....	5,627	.....	580	3,121	.....	2,624	413	234,560
Other diseases of the class.....	2,557	694	1,758	105	245	786	.....	1,647	215	173,109
CLASS XVI											
Diseases of motor system.....	146,372	87,168	49,406	9,798	21,094	110,332	3	39,763	13,870	7,076,578	
Bones or cartilage:											
Osteomyelitis.....	3,575	1,648	629	1,298	506	2,407	1	602	766	302,561	
Osteochondritis deformans.....	542	114	402	26	102	203	.....	404	32	32,326
Osteochondritis dissecans.....	2,004	952	889	163	370	1,301	.....	771	215	146,761
Periostitis, nontraumatic.....	928	700	161	67	105	829	.....	104	72	31,468
Spur, bone.....	929	494	383	52	127	737	.....	154	119	40,100
Diseases and conditions of bone or cartilage n. e. c.....	3,014	1,239	1,551	224	516	2,067	.....	1,033	335	163,177
Joints:											
Arthritis, acute.....	12,395	11,340	639	416	948	11,038	.....	159	1,702	431,818
Arthritis, chronic.....	25,478	11,603	11,465	2,410	5,542	13,965	1	13,613	2,805	2,015,841	
Arthritis deformans.....	356	216	109	31	50	177	.....	168	44	31,586
Ankylosis.....	1,031	286	256	489	199	545	.....	443	187	62,473
Joint, internal derangement of.....	13,882	6,988	5,752	1,142	2,988	10,111	.....	4,627	1,392	884,617
Loose body in joint.....	808	358	411	39	103	560	.....	180	132	42,987
Spondylitis.....	934	451	410	73	117	441	.....	417	124	70,320
Diseases of joints n. e. c.....	1,333	812	461	60	205	1,132	1	254	122	51,778	
Muscles, tendons, or fascia:											
Myositis, acute and chronic.....	31,633	24,671	6,025	937	2,510	28,412	.....	3,431	2,059	936,407
Rheumatism, muscular.....	2,427	1,669	654	104	252	1,950	.....	464	260	127,135
Contracture.....	1,459	545	461	453	237	1,062	.....	286	282	96,695
Hernia, muscle, fascia, or tendon sheath.....	800	453	285	62	114	673	.....	99	128	36,022
Bursitis.....	10,751	9,492	976	283	778	10,380	.....	411	647	244,595
Synovitis, nontraumatic.....	5,804	4,163	1,199	442	706	4,925	.....	1,002	544	240,214
Tenosynovitis.....	3,097	2,796	178	123	161	2,964	.....	88	175	61,037
Ganglion, tendon sheath.....	1,939	1,513	367	59	120	1,880	.....	12	122	33,419
Flatfoot.....	15,414	2,829	12,062	523	3,414	8,861	.....	8,692	1,006	704,270
Diseases and conditions of muscles, tendons, or fascia n. e. c.....	658	477	109	72	73	564	.....	98	63	27,658
Deformities of motor system n. e. c.....	4,407	921	3,307	179	735	2,597	.....	2,029	435	213,359
Other diseases of the class.....	774	438	265	71	116	551	.....	222	102	47,954

APPENDIX TABLE I.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XVII										
Diseases of nervous system .	37,112	19,524	12,034	5,554	3,907	20,701	416	13,855	4,276	2,446,525
Brain:										
Abscess, brain	157	59		98	10	28	45	15	59	8,593
Encephalitis, acute, nonlethargic	458	340	8	110	16	295	56	14	86	19,189
Encephalitis, chronic, nonlethargic	328	120	171	37	25	77	4	224	36	26,768
Hemorrhage, brain	393	345	7	41	19	102	172	56	59	21,343
Hemiplegia, old	136	49	45	42	13	35		78	27	11,302
Paralysis agitans	130	74	50	6	14	52		80	7	10,207
Chorea, progressive, chronic (Huntington's)	10	4	6		2	3		6	2	580
Athetosis and chorea (except Huntington's)	125	64	53	8	11	52		55	24	10,379
Epilepsy	7,077	1,355	5,523	199	553	1,474	5	5,755	274	510,289
Epilepsy, jacksonian	194	59	117	18	19	50		116	14	15,450
Diseases and conditions of brain n. e. c.	673	354	272	47	77	361	2	302	62	43,088
Meninges:										
Choriomeningitis, benign lymphocytic	232	227	1	4	8	219	1	4	20	8,532
Meningitis, except meningococcic	1,418	1,212	21	185	35	1,010	117	37	252	55,380
Spinal cord:										
Poliomyelitis, anterior, chronic	375	126	137	112	35	118		163	79	32,272
Sclerosis, amyotrophic lateral	50	31	12	7	8	13	1	28	3	4,776
Sclerosis, disseminated	225	134	77	14	20	66	1	145	21	21,761
Myelitis	185	89	17	79	13	55	3	57	36	24,979
Diseases of spinal cord n. e. c.	142	86	39	17	15	51	5	56	19	14,868
Peripheral nerves:										
Paralysis, nerve	6,825	2,907	519	3,399	876	3,569		1,902	1,372	644,862
Neuritis	8,778	6,949	1,305	524	1,123	7,146		1,290	1,139	478,791
Neuralgia	2,630	2,189	340	101	190	2,407		195	197	82,981
Diseases of peripheral nerves n. e. c.	156	74	72	10	21	56		106	11	12,446
Migraine	4,592	1,723	2,659	210	643	2,727		2,128	292	252,224
Dystrophy, progressive muscular	82	34	47	1	5	14		65	7	6,816
Other diseases of the class	1,741	920	536	285	156	721	4	978	178	128,649
CLASS XVIII										
Diseases of respiratory system	60,193	39,015	14,815	6,363	8,465	45,233	60	15,225	6,492	2,868,794
Trachea or bronchi:										
Bronchiectasis	1,914	860	669	385	235	643	4	1,261	164	161,869
Chronic inflammation of trachea or bronchi n. e. c.	7,754	5,702	1,640	412	1,051	6,674	2	971	1,057	330,876
Diseases and conditions of trachea or bronchi n. e. c.	48	35	4	9	8	32		9	8	2,985
Lungs:										
Atelectasis	289	120	11	158	2	145	4	12	125	8,529
Emphysema, pulmonary	221	131	66	24	22	111	2	82	39	13,098
Pneumonitis, acute	11,479	10,568	50	861	157	10,644	6	7	878	239,521
Pneumonia, n. e. c.	846	562	160	124	59	548	1	152	146	48,662
Silicosis	116	42	65	9	9	43		67	8	6,746
Pneumoconiosis, n. e. c.	109	54	52	3	6	53		48	7	5,952
Diseases and conditions of lungs n. e. c.	90	45	5	40	4	31	10	5	32	1,042
Pleura:										
Empyema	1,329	317	16	996	76	803	13	110	366	155,639
Pleurisy, fibrinous, acute	7,124	6,836	57	231	167	6,673	2	16	500	105,020
Pleurisy with effusion	3,905	2,550	74	1,281	230	2,749	6	311	864	291,159
Pleurisy, fibrinous, chronic	2,169	1,022	518	629	273	1,473		691	227	108,717
Pneumothorax	1,524	1,342	66	116	127	1,215	1	132	210	80,673
Allergic:										
Asthma	18,744	7,459	10,309	976	5,730	11,476	7	10,934	1,445	1,209,229
Hay fever	1,646	609	973	64	254	1,249		359	244	65,348
Other diseases of the class	886	761	80	45	55	671	2	58	172	33,729
CLASS XIX										
Diseases of skin, hair, and nails	108,727	93,814	10,250	4,663	9,633	101,970	3	7,452	6,860	2,594,225
Skin:										
Acne	6,821	4,272	2,047	502	1,560	4,782		2,156	750	394,629
Callosity	748	561	173	14	84	693		55	73	19,660
Cicatrix, skin	3,077	970	906	1,201	395	2,130		713	477	145,037
Dermatitis seborrheica	1,020	887	107	26	94	960		46	75	30,294
Dermatitis venenata	12,919	12,408	251	260	720	12,923		175	460	191,555
Dermatitis, industrial	367	327	35	5	43	382		13	13	7,706

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read- missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XIX—Continued										
Skin—Continued										
Eczema.....	4,911	3,441	1,196	274	983	4,186		1,173	388	241,864
Dermatitis, n. e. c.....	12,467	11,101	712	654	1,297	11,488		947	1,008	392,178
Erythema.....	3,997	3,801	94	102	180	3,837		44	262	60,706
Herpes.....	1,347	1,293	36	18	32	1,320		5	51	13,292
Herpes zoster.....	2,806	2,749	11	46	33	2,686		3	142	30,002
Impetigo.....	11,608	11,384	83	141	564	11,739		4	370	112,683
Lichen planus.....	480	402	42	36	69	355		94	73	31,410
Lupus erythematosus.....	374	270	82	22	82	222	3	180	29	27,295
Pemphigus.....	56	26	28	2	3	28		28	1	2,392
Pityriasis rosea.....	1,610	1,548	30	32	31	1,604		3	44	18,253
Prickly heat.....	2,017	1,998	7	12	67	1,991		3	87	17,265
Pruritus.....	1,116	824	240	52	132	1,010		70	134	33,252
Psoriasis.....	1,325	666	613	46	237	980		489	76	65,708
Sycosis.....	1,184	1,069	78	37	161	1,133		79	99	43,682
Ulcer, skin.....	8,000	7,189	300	511	917	7,937		118	758	253,245
Urticaria.....	10,248	9,375	663	210	726	9,837		496	520	159,577
Diseases and conditions of skin n. e. c.....	4,072	3,067	790	215	416	3,629		408	369	118,472
Hair and nails:										
Folliculitis.....	1,715	1,591	70	54	119	1,693		28	87	30,284
Ingrowing nail.....	12,837	11,175	1,501	161	595	12,961		4	410	120,659
Onychia.....	925	900	19	6	19	900		1	31	8,566
Diseases and conditions of hair and nails n. e. c.....	201	157	38	6	14	170		18	21	5,052
Other diseases of the class.....	479	363	98	18	60	394		99	52	19,507
CLASS XX										
Herniae.....	64,899	38,013	25,284	1,602	3,567	58,028	15	2,388	6,273	2,788,826
Hernia, diaphragmatic.....	108	61	38	9	19	68	1	42	15	7,621
Hernia, femoral.....	435	276	142	17	19	371		9	66	17,687
Hernia, inguinal.....	53,605	31,739	21,091	775	1,822	48,586	7	959	4,633	2,121,500
Hernia, umbilical.....	941	396	529	16	44	818	1	25	115	33,075
Hernia, ventral.....	2,716	1,516	948	252	175	2,274		160	396	111,026
Hernia, recurrent, after operation ..	3,985	2,156	1,556	273	1,019	3,958	1	312	579	228,444
Hernia, strangulated.....	231	167	58	6	8	208	4		22	7,764
Hernia, intervertebral disc.....	2,376	1,415	718	243	438	1,279	1	869	404	251,080
Other herniae of the class.....	502	287	204	11	23	466		12	43	10,629
CLASS XXI										
Miscellaneous diseases and conditions.....	362,783	251,840	43,925	67,018	53,481	285,893	101	29,447	72,922	12,326,953
Absence, acquired:										
Eye(s).....	1,014	112		902	268	443		565	191	88,837
Ear(s).....	11	4		7	1	1		2	5	1,854
Hand(s), forearm(s), arm(s), or upper extremity (ies).....	280	23	1	256	13	33	1	82	49	39,933
Foot (feet), leg(s), or lower ex- tremity (ies).....	859	83	1	775	38	64	2	161	137	145,150
Finger(s).....	938	124	86	728	115	623		204	146	47,315
Toe(s).....	359	70	41	248	53	211		117	40	20,549
All other.....	1,080	303	112	665	249	614	1	513	148	60,494
Other deformities:										
Absence, congenital.....	159		159		23	110		52	24	6,489
Deformity, acquired.....	20,719	3,678	8,931	8,110	3,376	8,593		12,858	1,578	1,050,641
Deformity, congenital.....	8,729		8,729		1,452	4,293		4,927	800	529,365
Atrophy.....	1,802	630	715	457	328	1,004	1	803	270	100,996
Defective physical develop- ment.....	214	20	185	9	46	96		143	20	11,351
Foreign body, nontraumatic.....	647	519	84	44	49	613	1	23	68	15,145
Other surgical conditions:										
Adhesions.....	722	323	200	199	97	596		132	88	32,190
Calculus, n. e. c.....	795	675	101	19	59	768		22	49	16,710
Diverticulum.....	407	193	171	43	40	245	1	106	83	21,837
Fistula, n. e. c.....	663	339	169	155	85	535		57	126	39,743
Gangrene, n. e. c.....	226	50	2	174	4	68	2	6	142	10,379
Hemorrhage, n. e. c.....	2,137	1,530	65	542	107	1,690	32	120	326	58,178
Rupture, nontraumatic.....	618	410	166	42	80	437	7	137	93	28,049
Sinus.....	1,273	732	263	278	134	1,181		30	165	47,335
Ulcer, n. e. c.....	3,079	2,805	109	165	214	2,962	1	49	248	78,660
Medical and NP conditions:										
Allergy.....	3,764	2,456	1,031	277	385	2,928		815	322	130,445
Anaphylaxis and serum sick- ness.....	3,616	3,549		67	24	3,586	1		59	13,218
Anti-inoculation.....	19,612	19,591	11	10	35	19,441		1	192	62,765
Motion sickness.....	10,254	6,907	3,230	117	1,566	10,783		420	520	317,415
Shock.....	204	174	2	28	4	144	1		25	967
Vertigo.....	1,233	1,008	213	12	65	1,131		59	91	25,151
Nutritional diseases and avita- minosis.....	2,582	1,775	562	245	255	1,773	1	347	653	129,037

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read- missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XXI—Continued										
Medical and NP conditions—Con.										
Asthenia, postinfective and postsurgical.....	2,045	776	9	1,260	226	1,256	.....	150	823	121,895
Headache.....	9,742	6,881	2,657	204	825	8,288	.....	922	1,187	278,305
Fatigue, combat.....	15,621	14,304	32	1,285	1,449	12,602	.....	143	3,548	917,293
Fatigue, operational.....	12,759	11,897	92	770	1,087	10,071	.....	86	2,791	836,324
Alcoholism.....	5,690	5,537	29	124	108	4,833	24	5	924	27,865
Drug addiction.....	244	78	158	8	12	155	1	51	45	13,531
No disease.....	203,205	141,341	13,688	48,176	39,610	175,050	7	4,776	54,756	6,441,317
Observation for aptitude.....	15,944	11,024	4,388	532	657	15,263	.....	547	728	622,851
Medical observation.....	117,339	108,844	5,991	2,504	3,829	118,359	.....	52	2,956	1,920,309
Communicable disease contact.....	2,122	2,108	10	4	21	2,140	.....	.....	14	16,886
Convalescent leave.....	39,586	995	74	38,517	33,085	17,353	7	19	49,283	2,779,314
Unsuited for further useful service.....	8,184	5,827	681	1,676	920	4,734	.....	3,980	273	677,129
All other conditions.....	20,030	12,543	2,544	4,943	1,098	17,201	.....	178	1,502	424,828
Diagnosis undetermined.....	17,250	16,599	465	186	446	1,250	.....	75	1,442	373,692
Other diseases and conditions of the class.....	8,231	6,344	1,456	431	523	7,422	17	488	748	186,533
CLASS XXII										
Parasitic diseases (fungi and certain animal parasites)...	98,043	88,959	6,568	2,516	8,435	97,521	19	1,142	6,648	1,742,735
Mycosis:										
Actinomycosis.....	29	19	4	6	4	25	1	.....	3	2,264
Coccidioidal granuloma.....	22	17	3	2	3	15	6	4	1	2,267
Dermatophytosis.....	56,700	54,400	1,304	996	6,740	58,531	.....	1,063	3,071	1,242,792
Mycosis, n. e. c.....	420	376	37	7	15	398	1	5	29	9,481
Protozoiasis:										
Amebiasis.....	3,108	2,672	112	324	222	2,452	10	36	724	120,735
Flagellate infection, intestinal...	256	220	15	21	3	201	.....	.....	56	6,720
Protozoiasis n. e. c.....	25	24	1	.....	7	30	.....	4	1	1,695
Helminthiasis:										
Ascariasis.....	522	427	53	42	27	453	.....	.....	86	8,576
Hookworm disease.....	7,209	2,676	3,919	614	289	6,310	.....	13	1,137	111,851
Schistosomiasis.....	55	46	3	6	4	38	1	2	13	5,808
Strongyloidiasis.....	456	375	37	44	41	365	.....	4	132	14,916
Teniasis.....	451	331	109	11	97	513	.....	1	32	7,166
Trichinosis.....	60	52	5	3	5	50	.....	2	8	2,363
Helminthiasis n. e. c.....	462	365	69	28	28	408	.....	2	69	9,989
Arthropod infestations:										
Pediculosis.....	431	403	16	12	5	360	.....	.....	76	2,818
Scabies.....	27,454	26,262	811	381	936	27,064	.....	4	1,162	183,821
Arthropod infestation n. e. c.....	71	70	1	.....	.....	62	.....	.....	9	605
Spirochetal diseases n. e. c.....	44	43	1	.....	1	43	.....	.....	3	717
Other diseases of the class.....	268	181	68	19	8	203	.....	2	36	8,151
CLASS XXIII										
Tumors.....	62,412	23,157	37,962	1,293	5,669	58,444	722	2,009	4,813	2,311,974
Benign.....	58,536	20,265	37,240	1,031	5,246	56,251	30	1,320	4,316	1,950,402
Adenoma.....	304	231	62	11	20	268	1	14	32	10,950
Fibroadenoma.....	1,732	1,260	419	53	72	1,655	.....	11	111	35,533
Teratoma, n. e. c.....	56	37	19	6	4	43	5	2	4	2,478
Tumor, mixed, benign.....	781	499	247	35	64	695	7	60	79	30,444
Cyst, retention.....	4,468	3,389	967	112	188	4,373	.....	24	197	57,606
Cyst, teratoma.....	29,640	.....	29,640	.....	3,523	29,629	.....	127	2,044	1,221,645
Cyst, n. e. c.....	6,174	4,533	1,475	166	369	5,714	3	269	467	168,559
Wart.....	5,764	4,668	939	157	310	5,498	.....	55	438	105,267
Epithelial, n. e. c.....	1,154	833	275	46	93	1,090	1	26	116	33,074
Bone or cartilage.....	2,334	1,109	1,125	100	280	1,856	2	414	250	114,451
Fat tissue.....	2,204	1,346	787	71	62	2,026	.....	40	178	41,371
Muscular.....	73	39	29	5	3	47	.....	23	5	2,319
Nerve tissue.....	625	314	166	145	73	438	1	96	138	34,848
Vascular.....	1,323	577	685	61	107	1,169	3	109	113	46,674
Connective tissue, n. e. c.....	1,225	823	363	39	52	1,094	6	41	109	31,648
Miscellaneous tumors.....	679	607	42	30	26	656	1	9	35	13,535
Malignant.....	3,655	2,745	671	239	398	2,064	689	636	467	343,717
Adenocarcinoma.....	184	144	18	22	13	61	81	42	17	26,605
Carcinoma.....	975	793	98	84	120	529	272	155	131	111,659
Hypernephroma.....	15	13	1	1	3	10	10	1	5	1,999
Myeloma, multiple.....	15	11	1	3	1	5	9	5	1	3,050
Lymphoma.....	130	84	40	6	13	77	6	38	11	7,671
Lymphosarcoma.....	132	112	16	4	18	42	46	40	9	17,357
Teratoma, testicle(s).....	156	122	30	4	31	79	43	41	15	19,976
Tumor, mixed, malignant.....	134	116	13	5	20	60	26	32	16	15,909
Epithelial, n. e. c.....	891	625	221	45	84	722	27	69	102	51,292
Nerve tissue.....	125	102	17	6	14	28	74	35	12	16,434
Connective tissue, n. e. c.....	259	210	28	21	46	109	76	56	49	35,895

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read- missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XXIII—Continued										
Malignant—Continued										
Tumor, mixed, n. e. c.	639	413	188	38	35	342	19	122	99	35,870
Other: Unspecified as to benign or malignant.	221	147	51	23	25	129	3	53	30	17,855
CLASS XXIV										
Female diseases and conditions.	11,126	10,015	834	277	552	10,544	1	661	410	132,331
Ovaries or fallopian tubes, except malpositions:										
Salpingitis, acute and chronic. .	1,051	779	243	29	126	920		178	79	25,262
Oophoritis, acute and chronic. .	190	175	11	4	16	192		6	4	2,391
Rupture of graafian follicle. . .	118	113	2	3	2	116			5	1,143
Diseases and conditions of ovaries or fallopian tubes n. e. c.	11	9	2			9			1	372
Fundus uteri:										
Endometritis and metritis. . . .	79	68	7	4	5	73		2	8	1,842
Diseases and conditions of fundus uteri n. e. c.	17	12	3	2	2	18				171
Cervix uteri and vagina:										
Endocervicitis and vaginitis (nonvenereal).	582	511	52	19	27	573		8	26	10,323
Diseases and conditions of cervix and vagina n. e. c.	24	19	4	1	2	25			1	671
External genitalia:										
Vulvitis, nonvenereal.	34	32	1	1	2	33			2	316
Diseases and conditions of external genitalia n. e. c.	10	8	1	1		9		1		170
Malpositions and disorders of supporting structures:										
Displacement of internal genital organs.	193	109	79	5	10	165		22	17	4,917
Cystocele, rectocele, and relaxation of pelvic floor.	6	2	4		1	7		1		173
Functional disorders:										
Amenorrhea.	160	142	14	4	15	150		5	21	2,525
Dysmenorrhea.	1,490	1,320	166	4	100	1,472		77	34	10,659
Menorrhagia and metrorrhagia. .	1,636	1,539	81	16	146	1,607		47	108	24,677
Functional disorders n. e. c. . . .	149	93	50	6	8	93		58	4	4,517
Breast:										
Mastitis, acute and chronic. . . .	102	86	13	3	6	93		4	3	1,581
Diseases and conditions of breast n. e. c.	2	2				2				34
Obstetrical conditions:										
Pregnancy.	4,463	4,289	51	123	59	4,244		202	59	24,958
Abortion.	395	356		39	10	377	1	20	11	7,046
Toxemia of pregnancy.	6	6				6				68
Other diseases of the class.	408	345	50	13	15	360		30	27	8,515
CLASS XXVII										
Dental diseases and conditions. .	51,567	40,597	9,348	1,622	1,212	47,655		1,430	3,194	780,050
Diseases and conditions of enamel, dentin, cementum, and pulp:										
Caries, teeth.	1,195	684	458	53	33	812		221	178	27,728
Erosion.	5	5				3			2	70
Hypercementosis.	20	18		2		20				138
Pulpitis.	86	82	3	1	1	80			8	822
Diseases and conditions of the periodontal and gingival tissues:										
Abscess, periodontal.	2,583	2,519	34	30	34	2,522			94	21,049
Gingivitis, heavy metals.	4	4				4				27
Gingivitis, Vincent's.	3,394	3,321	30	43	52	3,339			107	24,747
Gingivitis, n. e. c.	793	762	14	17	19	754		2	61	8,645
Parodontosis.	1,980	1,455	457	68	65	1,365		127	521	69,315
Periodontitis.	124	117	1	6		118			2	1,262
Periapical diseases and their sequelae:										
Abscess, dentoalveolar, acute. . .	5,044	4,949	47	48	73	4,942		1	160	38,856
Abscess, periapical.	3,972	3,835	89	48	54	3,844		32	144	29,466
Fistula, dentoalveolar.	39	34		5	3	29		1	5	1,140
Diseases and conditions of the soft tissues of the oral cavity:										
Abscess, pericoronal.	658	639	2	17	9	639			17	4,274
Abscess, pterygomandibular. . . .	45	40	1	4		39			4	1,074
Aphthae.	10	9		1		10				122
Herpes, oral.	33	29	3	1	1	32			2	379

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read- missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XXVII—Continued										
Diseases and conditions of the soft tissues of the oral cavity—Con.										
Infection, Vincent's, oral, gen- eralized.....	173	163	1	9	2	162			7	1,056
Perleche.....	3	3				2				120
Developmental abnormalities of the teeth:										
Fluorosis, dental.....	6		6			6				33
Malocclusion.....	236	39	189	8	18	127		92	29	9,142
Malposition, tooth (teeth).....	65	17	44	4	2	53		3	8	1,151
Tooth, impacted.....	6,461	3,499	2,924	38	110	6,406			154	33,825
Tooth, unerupted.....	1,238	712	516	10	29	1,237		1	29	6,882
Miscellaneous dental diseases and conditions:										
Absence, acquired, tooth (teeth).....	21,044	15,482	4,414	1,148	656	18,901		939	1,488	468,085
Infection, dental, residual.....	157	143	3	11	3	150			3	1,678
Infection, focal, teeth.....	768	675	66	27	24	678		6	110	18,237
Odontalgia.....	316	308	7	1	1	293			13	2,100
Odontorrhagia.....	739	718	8	13	12	736			21	3,561
Other diseases of the class.....	376	336	31	9	11	352		5	27	5,066
INJURIES										
CLASS XXV										
Injuries.....	456,826	430,922	16,470	9,434	21,759	404,947	21,922	12,145	33,315	11,676,977
Abrasion and contusion.....										
Head or face.....	64,436	63,982	168	286	1,155	62,509	3	60	2,827	533,899
Eye(s).....	5,870	5,842	6	22	75	5,672		5	245	35,627
Thorax or back.....	2,852	2,835	3	14	36	2,686		11	179	21,356
Abdomen.....	8,464	8,394	34	36	182	8,210	2	5	414	83,939
Genital organs.....	1,416	1,407	5	4	32	1,389		2	60	10,690
Buttock(s).....	1,068	1,057	7	4	20	1,021			61	7,608
Upper extremity(ies).....	1,195	1,188	1	6	18	1,177			38	9,427
Lower extremity(ies).....	6,369	6,323	18	28	94	6,183		13	254	49,934
Combinations of parts listed above.....	23,887	23,742	77	68	479	23,398		14	871	194,196
All parts n. e. c.....	8,949	8,881	5	63	149	8,531		6	508	82,632
Burn (exclusive of chemical, rad- ium, X-ray, or ultraviolet).....	4,366	4,313	12	41	70	4,242	1	2	197	38,490
Head or face.....										
Eye(s).....	20,398	20,173	53	172	423	18,876	664	61	942	389,841
Thorax or back.....	1,010	1,002	4	4	8	967			46	8,038
Abdomen.....	731	727	2	2	14	709		3	31	5,022
Genital organs.....	598	595		3	6	592			15	5,901
Buttock(s).....	242	241		1	1	236			2	2,167
Upper extremity(ies).....	41	37	2	2		37			4	481
Lower extremity(ies).....	75	72		3	3	74			3	1,102
Combinations of parts listed above.....	3,436	3,395	7	34	57	3,369	2	2	98	37,557
All parts n. e. c.....	5,353	5,275	28	50	177	5,251	2	13	220	103,329
Dislocation, simple and compound..										
Vertebral.....	8,615	8,534	8	73	153	7,369	659	43	514	222,764
Hip(s).....	297	295	2		4	272	1		9	3,480
Shoulder(s).....	9,206	8,589	444	173	688	8,451	12	284	871	299,587
Knee(s).....	429	338	72	19	66	301	12	70	86	34,000
Ankle(s).....	183	169	6	8	16	134		3	48	9,951
Elbow(s).....	3,168	3,018	125	25	228	3,120		49	164	61,429
Wrist(s).....	662	611	44	7	41	603		16	65	24,585
Finger(s).....	316	301	7	8	19	226		12	72	20,009
All joints n. e. c.....	1,454	1,418	24	12	53	1,320		20	132	37,135
Other joint injuries.....	191	161	18	12	25	145		15	47	10,311
Vertebral.....	522	503	6	13	13	487		2	46	10,108
Hip(s).....	75	62	11	2	2	65		1	8	1,705
Shoulder(s).....	2,206	2,008	131	67	225	2,050		96	203	90,354
Knee(s).....	6,373	4,182	2,071	120	1,076	5,967		621	716	349,377
Ankle(s).....	59,773	57,190	2,349	234	2,257	59,172		688	1,896	724,217
Elbow(s).....	32,035	31,838	139	58	526	32,011		27	457	225,274
Wrist(s).....	11,457	10,986	424	47	614	11,531		35	437	160,367
Finger(s).....	1,002	1,000	1	1	11	982		2	24	10,941
All joints n. e. c.....	1,461	1,435	19	7	16	1,435		2	38	10,720
Other joint injuries.....	13,818	11,931	1,766	121	1,090	13,213		622	940	317,155
Vertebral.....	7,262	4,240	2,769	253	1,774	6,755		1,332	625	363,185
Hip(s).....	51	19	25	7	8	39		6	14	3,095
Shoulder(s).....	41	16	24	1	7	27		13	3	229,616
Knee(s).....	3,145	1,194	1,840	111	1,221	2,929		945	281	99,035
Ankle(s).....	3,319	2,575	645	99	410	3,152		230	264	5,086
Elbow(s).....	136	73	53	10	17	93		43	12	3,247
Wrist(s).....	113	89	23	1	13	102		9	8	3,587
Finger(s).....	54	29	19	6	10	43		15	5	2,059
Jaw(s).....	54	41	8	5	9	48		5	7	3,317
All joints n. e. c.....	63	33	28	2	14	63		10	4	13,352
Other joint injuries.....	286	171	104	11	65	259		56	27	

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
INJURIES—Continued										
CLASS XXV—Continued										
Foreign body, traumatic.....	6,083	5,105	789	189	285	5,535	1	174	586	92,197
Eye(s).....	3,106	3,011	59	36	94	2,779		47	352	33,618
Throat or lung(s).....	81	74	4	3		76		2	2	793
Digestive tract.....	89	85	2	2	2	82		1	6	1,054
Genitourinary tract.....	35	31	3	1	1	34				675
Head.....	203	158	38	7	4	188		9	13	3,490
Thorax or back.....	154	80	64	10	19	127		15	26	4,598
Abdomen.....	106	69	20	17	8	95		4	11	2,198
Upper extremity(ies).....	1,089	836	217	36	52	1,050		13	61	15,936
Lower extremity(ies).....	926	551	324	51	84	833		72	88	23,711
Combinations of parts listed above.....	58	43	9	6	8	59		3	7	1,780
All parts n. e. c.....	236	167	49	20	13	212		8	20	4,344
Fracture, compound.....	12,868	12,220	70	578	796	9,230	1,042	379	2,312	891,416
Skull.....	1,343	1,303	3	37	53	357	943	54	167	40,710
Vertebra(e).....	22	22			3	6	11	1	5	1,547
Pelvis.....	36	30		6	2	12	5	3	8	3,094
Femur(s) or patella(e).....	460	398	5	57	54	216	15	39	165	77,449
Lower leg(s) or ankle(s).....	1,342	1,212	22	108	163	692	18	109	453	238,920
Upper arm(s), elbow(s), or shoulder(s).....	282	258		24	28	148	1	21	107	33,637
Forearm(s) or wrist(s).....	573	516	10	47	51	331	2	30	195	60,795
Foot (feet) or toe(s).....	1,693	1,603	3	87	86	1,470		35	261	83,761
Hand(s) or finger(s).....	3,841	3,736	7	98	175	3,453		47	414	135,828
Combinations of bones listed above.....	149	142	1	6	24	72	39	6	44	15,852
All bones n. e. c.....	3,127	3,000	19	108	157	2,473	8	34	493	199,823
Fracture, simple.....	104,820	101,310	1,519	1,991	5,736	95,151	874	1,614	9,145	4,472,726
Skull.....	1,648	1,546	36	66	107	987	530	55	289	63,611
Vertebra(e).....	4,082	3,447	399	236	679	2,888	239	565	850	374,284
Pelvis.....	894	798	17	79	99	616	14	53	216	80,885
Femur(s) or patella(e).....	3,097	2,780	167	150	353	2,268	9	146	674	361,382
Lower leg(s) or ankle(s).....	16,688	16,248	134	306	1,139	15,015	7	228	1,652	897,485
Upper arm(s), elbow(s), or shoulder(s).....	6,155	5,979	69	107	324	5,566	1	52	559	293,205
Forearm(s) or wrist(s).....	15,350	14,886	176	288	772	14,041	1	141	1,364	622,464
Foot (feet) or toe(s).....	18,100	17,822	98	180	747	17,389	1	162	902	521,852
Hand(s) or finger(s).....	20,386	19,990	190	206	653	19,523		45	997	432,190
Combinations of bones listed above.....	1,050	974	10	66	90	762	25	49	230	90,588
All bones n. e. c.....	17,370	16,840	223	307	773	16,096	47	118	1,412	734,780
Fracture, faulty union of.....	5,292	1,201	2,342	1,749	985	3,004		2,065	900	377,878
Skull.....	8	1	7		1	1		6	2	520
Vertebra(e).....	247	46	151	50	52	102		152	37	14,598
Pelvis.....	42	7	22	13	5	19		26	5	2,026
Femur(s) or patella(e).....	405	44	230	131	80	209		178	78	27,889
Lower leg(s) or ankle(s).....	941	152	393	396	160	501		378	168	78,302
Upper arm(s), elbow(s), or shoulder(s).....	535	78	306	151	86	315		211	71	32,781
Forearm(s) or wrist(s).....	1,539	376	662	501	305	865		658	269	124,787
Foot (feet) or toe(s).....	410	121	137	152	78	228		169	83	25,487
Hand(s) or finger(s).....	749	264	262	223	130	521		141	121	45,942
Combinations of bones listed above.....	100	33	43	24	35	56		56	18	6,149
All bones n. e. c.....	316	79	129	108	53	187		90	48	19,397
Amputation, traumatic.....	6,020	5,689	91	240	685	5,289	17	757	547	312,038
Between wrist(s) and elbow(s).....	87	74		13	7	37		47	19	14,535
Between elbow(s) and shoulder(s).....	59	53		6	7	21	2	39	5	13,301
Between ankle(s) and knee(s).....	173	145		28	33	42	10	116	40	46,837
Between knee(s) and hip(s).....	35	26		9	5	9	2	29	17	9,325
Combinations of parts listed above.....	10	7		3	1	2	2	4	3	1,248
Finger(s).....	5,040	4,822	70	148	519	4,671	1	373	386	175,383
Toe(s).....	424	377	18	29	84	357		105	51	34,326
All parts or combinations n. e. c.....	192	185	3	4	29	150		44	26	17,083
Rupture, traumatic.....	4,511	3,720	513	278	600	3,652	84	564	722	224,797
Eye(s).....	166	125	17	24	33	90		59	51	8,993
Tympanum(s).....	1,356	1,300	17	39	77	1,235		50	145	20,081
Liver.....	56	49		7	1	19	32	1	14	1,870
Spleen.....	104	94		10	7	63	7	3	33	5,815
Muscle(s), cartilage(s), or ligament(s).....	1,779	1,262	360	157	323	1,409	3	373	272	120,689
Sites n. e. c.....	1,050	890	119	41	159	836	42	78	207	67,349
Strain, muscular.....	17,973	16,507	1,352	114	931	17,762		258	787	265,687
Back.....	8,644	7,676	945	23	578	8,437		132	450	151,301
Abdomen.....	2,320	2,282	31	7	31	2,321		2	36	13,219
Extremities.....	2,738	2,609	118	11	94	2,748		11	75	27,249
Combinations of muscles listed above.....	171	160	8	3	6	172		2	8	2,287
Muscle(s) n. e. c.....	4,100	3,780	250	70	222	4,084		111	218	71,631

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read- missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
INJURIES—Continued										
CLASS XXV—Continued										
Wound, incised	3,235	3,150	27	58	107	2,930	45	12	345	51,445
Head or face	267	265	1	1	1	261	1		6	1,646
Eye(s)	111	110		1	3	99		1	16	1,594
Thorax or back	200	191	1	8	8	175	16	1	25	2,778
Abdomen	126	125	1		3	108	8		11	2,040
Genital organs	5	4	1			5				46
Buttock(s)	25	25				25				227
Upper extremity(ies)	1,559	1,514	15	30	60	1,386	1	9	207	31,151
Lower extremity(ies)	641	634	5	2	30	624		1	44	9,058
Combinations of parts listed above	133	124	1	8	1	106	6		20	1,568
All parts n. e. c.	168	158	2	8	1	141	13		16	1,337
Wound, infected	5,303	4,660	53	590	178	5,124	1	8	304	69,404
Head or face	231	208	1	22	10	224	1		12	1,608
Eye(s)	27	22		5		24			3	513
Thorax or back	45	25		20	7	46		2	3	1,672
Abdomen	104	34	4	66	3	93			12	2,967
Genital organs	73	31	2	40	6	69		1	9	1,036
Buttock(s)	12	10		2	1	11			2	190
Upper extremity(ies)	2,271	2,048	26	197	45	2,158		1	140	26,297
Lower extremity(ies)	2,335	2,105	18	212	97	2,301		4	108	32,378
Combinations of parts listed above	57	48		9	1	55			7	792
All parts n. e. c.	148	129	2	17	8	143			8	1,951
Wound, lacerated	48,291	47,792	113	386	1,108	45,444	27	149	3,225	668,527
Head or face	14,266	14,127	15	124	167	13,665	2	11	692	104,091
Eye(s)	1,962	1,951	2	9	48	1,744		35	215	27,522
Thorax or back	595	593		2	15	561	1	2	38	8,185
Abdomen	264	260	1	3	3	244	4	2	16	4,369
Genital organs	226	221	2	3	1	201			22	2,313
Buttock(s)	182	180	1	1	6	177			10	2,819
Upper extremity(ies)	14,222	14,018	54	150	442	13,069		68	1,241	286,251
Lower extremity(ies)	9,297	9,211	36	50	301	8,954	8	25	520	157,982
Combinations of parts listed above	2,787	2,758		29	54	2,553	4	5	236	41,024
All parts n. e. c.	4,490	4,473	2	15	71	4,276	8	1	235	33,971
Wound, punctured	5,120	5,054	13	53	123	4,642	76	39	445	65,381
Head or face	157	154		3	4	145	2	1	14	1,494
Eye(s)	353	336	1	16	23	198		27	136	13,901
Thorax or back	520	510	1	9	12	434	43	4	51	10,059
Abdomen	265	258	2	5	10	226	13	1	25	5,211
Genital organs	12	11	1			10			2	72
Buttock(s)	61	61			3	62			4	954
Upper extremity(ies)	1,153	1,152		1	18	1,087		1	85	8,449
Lower extremity(ies)	2,173	2,158	7	8	36	2,115	4	1	82	18,224
Combinations of parts listed above	157	156	1		9	137	4	2	16	3,027
All parts n. e. c.	269	258		11	8	228	10	2	30	3,990
Wound, fragment	1,853	1,813		40	104	1,402	177	31	289	57,058
Head or face	107	103		4	2	70	28	3	14	2,318
Eye(s)	27	26		1	2	11		1	12	1,301
Thorax or back	162	160		2	9	125	26	3	17	4,592
Viscera	12	12				4	4		1	790
Abdomen	70	69		1	6	47	17	1	13	1,795
Genital organs	3	3				2				24
Buttock(s)	30	29		1	2	27			3	577
Upper extremity(ies)	322	315		7	19	269	6	7	43	8,687
Lower extremity(ies)	368	358		10	27	321	1	7	42	13,791
Combinations of parts listed above	520	509		11	27	386	87	8	113	18,259
All parts n. e. c.	232	229		3	10	140	8	1	31	4,924
Wound, gunshot	7,272	6,909	88	275	561	4,742	1,121	320	1,452	356,179
Head or face	638	530	2	106	12	139	497	9	30	6,109
Eye(s)	25	24		1	6	16		4	11	1,375
Thorax or back	639	583	10	46	27	262	305	19	95	14,265
Viscera	32	24		8		1	21		3	196
Abdomen	392	376	2	14	26	185	167	14	57	15,677
Genital organs	7	7				6			1	187
Buttock(s)	99	95	3	1	12	105	2	2	9	3,126
Upper extremity(ies)	1,696	1,647	19	30	146	1,295	5	88	388	84,820
Lower extremity(ies)	3,030	2,938	43	49	290	2,273	13	167	747	202,876
Combinations of parts listed above	452	438		14	25	270	67	7	87	18,451
All parts n. e. c.	262	247	9	6	17	190	44	10	24	9,097
Wounds, multiple	4,451	4,387	2	62	125	3,669	29	44	624	108,297
Aero-embolism					2					150
Air embolism	15	15				1		2		263
Asphyxiation	334	325	1	8		122	137	1	16	720
Avulsion	991	970	6	15	47	895	3	11	98	26,692
Burn, chemical	2,937	2,876	9	52	58	2,808	4	15	145	40,505
Cataract, traumatic	298	91	37	170	66	137		117	92	18,232
Compression, diver's squeeze	15	15				12			1	188
Concussion, blast	306	289	1	16	25	214	42	8	51	6,963

APPENDIX TABLE 1.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps: 1942-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read-missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
INJURIES—Continued										
CLASS XXV—Continued										
Crush.....	1,330	1,307	10	13	51	944	256	23	214	39,439
Deafness due to dive bombing.....	4	4				3		1		138
Deafness due to heavy firing.....	655	588	3	64	138	372		350	46	42,848
Deprivation of water.....	2	2				1	1			3
Electric shock.....	417	416		1	3	219	199	1	12	1,476
Exhaustion, except heat exhaustion.....	978	972		6	19	883	85	1	76	8,356
Frostbite and other effects of cold.....	527	519	7	1	19	488	30	12	19	7,092
Heat, effects of (exclusive of burns).....	4,353	4,341	4	8	70	4,266	19	6	125	21,929
Hematoma, traumatic.....	3,610	3,419	49	142	107	3,514	6	18	155	46,905
Hemorrhage, traumatic, eye.....	777	735		42	34	661		29	110	16,060
Hemorrhage, traumatic, n. e. c.....	822	693	2	127	43	567	32	8	171	16,481
Immersion foot.....	45	42		3	9	44		3	4	1,430
Intracranial injury.....	13,079	11,430	1,140	509	924	9,908	548	1,749	1,402	430,908
Intraspinal injury.....	300	168	38	94	43	103	15	78	82	28,380
Ophthalmia, actinic rays.....	1,216	1,212	3	1	9	1,208		1	13	3,667
Radium, ultraviolet ray, or X-ray, effects of.....	146	125	14	7	5	131		8	6	4,041
Starvation.....	1			1	1				1	
Submersion, nonfatal.....	879	873		6	8	819	2		68	3,775
Sunburn.....	3,316	3,309	3	4	20	3,312			22	14,865
Decapitation.....	44	42		2			39			
Drowning.....	4,765	4,702		63			6,723			1
Injuries, multiple, extreme.....	8,708	8,645	2	61	73	501	8,886	37	431	93,619
Injuries, type unknown.....	472	469	3		1	22	534	3	3	1,880
Injury, diagnosis undetermined.....	986	914	57	15	27	11			63	25,830
Other injuries of the class.....	3,958	3,541	255	162	261	3,463	184	203	329	101,005
POISONINGS										
CLASS XXVI										
Poisonings.....	7,141	5,503	24	1,614	98	5,562	434	24	1,229	64,270
Poisoning, acute.....	2,448	2,344	3	101	21	1,718	398	4	407	18,893
Poisoning, chronic.....	70	50	17	3	5	54	1	9	8	3,118
Poisoning, anesthesia.....	65	19		46		20	3		28	323
Poisoning, therapeutic.....	2,181	740	3	1,438	38	1,786	31	8	379	26,326
Poisoning, prophylactic or suppressive.....	1,059	1,035		24	16	1,034		3	44	8,569
Poisoning, venom.....	1,229	1,227		2	18	879			360	5,831
War gas.....	77	9				70	1		2	981
Diagnosis undetermined.....	10		1							215
Other poisonings of the class.....	2	2				1			1	14

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non-effective rate per 100,000	Sick days per new case
Grand total, all causes.....	51,932.4	278.0	3,188.3	61.4	2,930.8	20.6
CLASS TOTALS						
DISEASES						
Total.....	47,277.2	53.7	3,066.2	64.8	2,608.0	20.1
I. Blood.....	111.3	2.6	3.8	34.6	8.5	27.9
II. Circulatory system.....	635.8	12.7	171.4	269.5	76.8	44.1
III. Digestive system.....	4,050.2	5.8	164.4	40.6	207.1	18.7
IV. Ductless glands.....	55.4	0.5	20.8	376.0	9.5	62.4
V. Ear, nose, throat.....	2,818.9	0.8	155.8	55.3	122.7	15.9
VI. Eye and adnexa.....	591.7	0	112.6	190.4	37.7	23.3
VII. Genito-urinary (nonven.).....	1,979.3	1.6	36.3	18.3	83.9	15.5
VIII. Oral, nasal discharges.....	16,697.4	8.5	2.5	0.2	346.9	7.6
IX. Intestinal discharges.....	203.6	0.2	0.0	0.0	4.6	8.2
X. Insects, arthropods.....	1,654.1	1.2	9.9	6.0	124.7	27.5
XI. Tuberculosis.....	138.2	3.4	85.5	618.4	39.4	104.1
XII. Venereal diseases.....	3,409.3	0.1	21.2	6.2	86.1	9.2
XIII. Other infective types.....	2,978.8	1.8	58.2	19.5	159.4	19.5
XIV. Lymphatic system.....	371.9	0.6	3.0	8.0	12.6	12.4
XV. Mind.....	1,515.4	0.4	1,083.1	714.8	324.1	78.1
XVI. Motor system.....	1,468.6	0.0	399.0	271.6	194.5	48.3
XVII. Nervous system.....	372.4	4.2	139.0	373.3	67.2	65.9
XVIII. Respiratory system.....	603.9	0.6	152.8	252.9	78.8	47.6
XIX. Skin, hair, nails.....	1,090.9	0.0	74.8	68.5	71.3	23.8
XX. Herniae.....	651.2	0.2	24.0	36.8	76.7	43.0
XXI. Miscellaneous.....	3,640.0	1.0	295.4	81.2	338.8	34.0
XXII. Parasitic.....	983.7	0.2	11.4	11.6	47.9	17.8
XXIII. Tumors.....	626.2	7.2	20.2	32.2	63.6	37.0
XXIV. Female conditions.....	111.6	0.0	6.6	59.4	3.6	11.9
XXVII. Dental conditions.....	517.4	0	14.3	27.7	21.4	15.1
INJURIES						
XXV. Injuries.....	4,583.5	220.0	121.8	26.6	321.0	25.6
POISONINGS						
XXVI. Poisonings.....	71.6	4.4	0.2	3.4	1.8	9.0
DISEASES						
CLASS I						
Diseases of blood.....	111.3	2.6	3.8	34.6	8.5	27.9
Anemias:						
Anemia, pernicious.....	1.0	0.0	0.4	449.0	0.2	93.2
Anemia, secondary.....	13.8	0	0.1	6.6	1.1	28.8
Jaundice, hemolytic.....	1.4	0	0.4	307.7	0.2	55.7
Anemia, n. e. c.....	4.1	0.3	0.8	187.2	0.6	55.8
Leukemias:						
Acute.....	1.8	1.6	0.1	34.1	0.2	42.6
Chronic.....	1.1	0.3	0.5	509.4	0.4	120.4
Granulocytopenia, malignant.....	1.1	0.2	0.0	18.0	0.1	35.7
Purpuras, primary:						
Purpura hemorrhagica.....	1.9	0.2	0.4	227.5	0.3	57.8
Purpura, primary, n. e. c.....	5.1	0.0	0.3	65.0	0.5	39.1
Mononucleosis, infectious.....	78.2	0	0.1	0.9	4.5	21.0
Other diseases of the class.....	1.9	0	0.7	343.8	0.3	58.3
CLASS II						
Diseases of circulatory system.....	635.8	12.7	171.4	269.5	76.8	44.1
Heart valves and endocardium:						
Diseases of mitral valve.....	66.9	0.3	47.4	708.5	10.0	54.3
Diseases of aortic valve.....	10.2	0.1	7.6	742.1	1.5	53.6
Endocarditis, subacute bacterial.....	0.6	0.4	0.0	50.0	0.1	68.9
Diseases of heart valves and endocardium n. e. c.....	2.2	0.3	0.6	291.7	0.2	38.7
Coronary arteries:						
Coronary heart disease, arteriosclerotic.....	14.2	2.0	5.1	359.5	3.1	79.0
Thrombosis, coronary artery.....	15.2	6.0	3.9	259.2	3.7	89.4
Diseases of coronary arteries n. e. c., and angina pectoris.....	7.2	0.1	2.2	313.8	1.4	71.0
Hypertensive heart disease.....	6.7	0.2	2.6	382.3	1.2	66.3
Myocarditis.....	14.7	0.8	5.6	382.7	2.6	64.9
Pericarditis.....	3.2	0.0	0.3	99.7	0.7	79.1

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS II—Continued						
Disorders of function:						
Auricular fibrillation and flutter and heart block	8.0	0.1	2.1	267.3	1.1	50.9
Disorders of function n. e. c.	61.4	0.1	9.2	150.5	5.4	32.4
Diseases of the heart n. e. c.	6.8	0.7	3.4	497.8	0.7	39.4
Arteries:						
Cerebral embolism and thrombosis	2.2	0.3	0.6	271.5	0.5	84.0
Aorta—dilatation of arch, aneurysm, aortitis	1.7	0.2	0.4	244.2	0.2	52.8
Aneurysm, except of aorta	4.4	0.2	0.7	159.1	0.8	71.0
Arteriosclerosis	13.7	0.1	5.1	375.3	2.8	75.7
Hypertension, arterial	87.3	0.1	42.0	480.9	13.2	55.1
Diseases of arteries n. e. c.	10.8	0.4	3.0	274.7	1.7	56.9
Veins:						
Varicose veins	126.1	0.0	9.0	71.7	11.0	31.8
Phlebitis	59.2	0.1	8.1	136.8	6.1	37.4
Diseases of veins n. e. c.	11.8	0.1	1.8	154.6	1.2	36.2
Syncope	38.0	0	2.9	77.2	2.1	20.1
Angioneurotic edema	20.1	0	1.5	74.7	1.2	22.8
Neurocirculatory asthenia	21.9	0	4.5	207.1	2.9	48.8
Other diseases of the class	21.2	0.1	1.3	63.6	1.1	18.8
CLASS III						
Diseases of digestive system	4,050.2	5.8	164.4	40.6	207.1	18.7
Buccal cavity or adnexa, except teeth:						
Diseases of salivary glands	14.9	0.0	0.1	7.4	0.5	13.4
Diseases of buccal cavity or adnexa n. e. c.	16.2	0	0.1	7.4	0.6	12.8
Diseases of esophagus	1.0	0	0.3	326.3	0.1	39.0
Ulcers of stomach or intestines:						
Ulcer, stomach	19.2	0.1	6.3	326.9	3.4	64.1
Ulcer, stomach, perforated	4.3	0.2	0.9	212.1	0.8	65.9
Ulcer, duodenum	188.6	0.1	118.8	630.0	43.2	83.7
Ulcer, duodenum, perforated	5.7	0.2	1.5	256.5	1.1	69.8
Ulcer, intestine, n. e. c.	0.4	0.0	0.1	222.2	0.1	63.7
Gastritis, enteritis, and colitis:						
Gastritis, acute	199.2	0.0	0.1	0.6	3.8	7.0
Gastroenteritis, acute	1,236.5	0.0	0.1	0.1	15.2	4.5
Acute enteritis and colitis, n. e. c.	297.4	0.0	2.5	8.4	6.4	7.9
Gastritis, chronic	71.7	0	9.6	133.8	7.9	40.4
Colitis, ulcerative	5.8	0.1	2.8	482.9	1.6	101.0
Colitis, chronic	15.6	0	2.6	168.2	2.1	49.9
Chronic inflammation of stomach or intestines n. e. c.	37.7	0.0	0.8	22.6	2.2	21.4
Appendicitis, acute and chronic	985.5	2.5	0.4	0.4	56.3	20.8
Functional digestive disturbances:						
Pylorospasm	27.6	0	0.7	25.8	2.0	27.0
Irritable colon	36.0	0	3.1	86.5	3.6	36.3
Constipation	47.6	0	0.1	2.7	1.1	8.5
Functional digestive disturbances n. e. c.	32.9	0	1.5	46.1	2.7	29.6
Intestinal obstruction	14.7	0.6	1.0	65.3	1.5	38.1
Rectum or anus:						
Fissure and fistula in ano	81.9	0	0.7	9.1	6.4	28.3
Abscess, periproctical	45.0	0.0	0.0	0.4	2.1	16.8
Hemorrhoids	481.6	0.0	0.8	1.7	24.2	18.3
Diseases of rectum or anus n. e. c.	12.8	0	1.1	83.2	1.1	32.4
Diseases of stomach or intestines n. e. c.	14.8	0.1	1.0	70.9	1.6	40.5
Liver:						
Cirrhosis	1.8	0.4	0.6	312.8	0.4	81.0
Atrophy, yellow, acute	0.6	0.3	0.0	51.7	0.0	12.9
Hepatitis, acute	39.4	0.2	0.0	0.8	3.2	29.7
Diseases of liver n. e. c.	2.9	0.0	0.5	188.2	0.6	71.4
Gallbladder or biliary ducts:						
Cholelithiasis	10.0	0.1	0.8	78.2	1.7	62.0
Cholecystitis without mention of calculi	67.3	0.1	1.8	27.1	5.7	31.0
Diseases of gallbladder or biliary ducts n. e. c.	0.9	0	0.0	57.5	0.1	56.3
Diseases of pancreas	1.7	0.3	0.2	87.7	0.2	45.0
Peritoneum:						
Peritonitis, acute	11.1	0.2	0.0	3.6	1.0	34.4
Abdominal adhesions and chronic peritonitis	14.1	0.0	2.3	165.6	1.6	42.3
Other diseases of the class	5.8	0.0	0.8	131.9	0.7	46.4
CLASS IV						
Diseases of ductless glands and spleen. (Endocrines)	55.4	0.5	20.8	376.0	9.5	62.4
Thyroid gland:						
Goiter, simple	2.0	0	0.2	91.8	0.2	39.5
Goiter, adenomatous	6.5	0.0	0.4	60.0	0.8	46.8
Goiter, exophthalmic	1.6	0.0	0.4	257.9	0.4	85.5
Hyperthyroidism	6.1	0.0	1.5	250.4	1.1	67.0
Hypothyroidism	7.5	0	0.8	101.6	0.9	43.9
Myxedema	0.3	0	0.1	448.3	0.0	59.2
Diseases of thyroid gland n. e. c.	1.3	0	0.0	23.4	0.1	22.5

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non-effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS IV—Continued						
Parathyroids:						
Hyperparathyroidism.....	0.0	0	0	0	0.0	88.2
Hypoparathyroidism.....	0.1	0	0.0	230.8	0.0	37.6
Diseases of pituitary gland.....	1.3	0	0.6	488.4	0.2	55.7
Diseases of adrenal glands.....	0.4	0.1	0.2	452.4	0.1	82.3
Diabetes mellitus.....	23.6	0.3	14.9	630.6	4.9	75.2
Diseases and conditions of spleen.....	0.5	0	0.0	61.2	0.1	63.0
Diseases of endocrine glands and spleen n. e. c.....	4.1	0	1.6	396.1	0.6	56.0
CLASS V						
Diseases of ear, nose, and throat.....	2,818.9	0.8	155.8	55.3	122.7	15.9
Ear—inflammatory diseases:						
Otitis media, acute.....	523.5	0.1	0.6	1.2	17.9	12.5
Otitis media, chronic.....	151.6	0.1	71.6	472.1	16.3	39.2
Otitis externa.....	204.9	0	0.4	1.7	4.8	8.6
Aero-otitis media.....	0.5	0	0.0	20.8	0.0	7.9
Myringitis.....	12.8	0	0.1	4.7	0.2	6.9
Inflammatory diseases of ear n. e. c.....	13.1	0	0.2	17.6	0.6	18.3
Ear—deafness:						
Unilateral.....	36.9	0	21.4	578.5	4.2	41.4
Bilateral.....	61.0	0	38.2	626.1	10.4	62.4
Diseases of ear n. e. c.....	5.2	0	1.2	243.2	0.4	30.6
Accessory sinuses:						
Sinusitis, frontal.....	150.2	0.0	1.3	9.0	4.9	11.9
Sinusitis, maxillary.....	157.1	0.0	4.1	26.1	8.7	20.1
Mastoiditis, acute.....	19.6	0.1	0.1	5.6	2.2	41.8
Mastoiditis, chronic.....	8.6	0.0	3.4	398.6	1.3	56.1
Sinusitis, n. e. c.....	61.2	0.1	5.9	96.6	4.5	26.9
Nose:						
Deviation, nasal septum.....	176.5	0.0	0.6	3.7	8.3	17.1
Diseases of nose or nasal fossae n. e. c.....	38.7	0	4.6	118.1	2.3	21.5
Mouth or pharynx:						
Angina, Ludwig's.....	2.5	0.1	0.0	16.1	0.1	18.9
Tonsillitis, chronic.....	1,019.8	0.2	0.4	0.3	29.8	10.6
Abscess, peritonsillar.....	148.0	0.1	0.1	0.5	3.9	9.7
Diseases and conditions of pharynx n. e. c.....	14.7	0.0	0.1	6.8	0.6	13.9
Larynx:						
Laryngitis, chronic.....	8.1	0	0.6	78.9	0.8	36.7
Paralysis, vocal cords.....	1.0	0	0.4	339.8	0.2	55.2
Diseases of larynx n. e. c.....	1.0	0.0	0.0	19.0	0.0	14.8
Other diseases of the class.....	2.0	0.0	0.4	217.8	0.1	24.4
CLASS VI						
Diseases of eye and adnexa.....	591.7	0	112.6	190.4	37.7	23.3
Optic nerve or retina:						
Detachment, retina.....	3.7	0	1.9	517.8	1.0	98.6
Optic neuritis and retinitis.....	16.6	0	6.2	371.8	2.5	55.2
Uveal tract:						
Choroiditis.....	10.0	0	4.4	436.7	1.5	54.8
Iritis.....	20.9	0	0.4	20.6	1.6	27.9
Uveitis, n. e. c.....	27.5	0	9.5	347.1	4.2	56.3
Glaucoma.....	1.8	0	0.6	320.4	0.3	59.3
Diseases of uveal tract n. e. c.....	1.0	0	0.3	333.3	0.1	24.3
Lens or aqueous and vitreous humors:						
Cataract.....	8.0	0	4.6	572.1	1.0	46.5
Diseases and conditions of lens or humors n. e. c.....	4.5	0	2.2	493.3	0.6	45.5
Sclera or cornea:						
Keratoconjunctivitis, epidemic.....	1.6	0	0.0	12.1	0.1	21.0
Ulcer, cornea.....	39.9	0	0.3	7.0	1.9	17.8
Keratitis and scleritis n. e. c.....	21.8	0	1.8	84.7	2.2	36.0
Opacity, cornea.....	7.5	0	3.1	407.2	0.8	39.7
Diseases and conditions of cornea n. e. c.....	0.9	0	0.6	611.1	0.1	46.9
Conjunctiva:						
Trachoma.....	0.8	0	0.3	369.0	0.1	38.0
Conjunctivitis, n. e. c.....	135.6	0	1.1	8.1	3.6	9.6
Pterygium.....	42.6	0	0.4	8.9	1.8	15.2
Diseases and conditions of conjunctiva n. e. c.....	0.4	0	0.0	47.6	0.0	12.6
Eyelids:						
Chalazion.....	10.8	0	0.0	1.8	0.2	6.6
Hordeolum.....	13.2	0	0.0	0.8	0.2	4.3
Blepharitis.....	7.8	0	0.3	33.3	0.3	14.7
Diseases and conditions of eyelids n. e. c.....	3.1	0	0.4	129.0	0.3	39.2
Lacrimal glands or ducts:						
Dacryocystitis.....	4.3	0	0.3	78.9	0.3	22.3
Diseases and conditions of lacrimal glands or ducts n. e. c.....	1.9	0	0.3	149.5	0.2	29.4
Extraocular muscles:						
Ophthalmoplegia.....	0.4	0	0.1	272.7	0.1	50.4
Insufficiency and paralysis of extraocular muscles n. e. c.....	25.4	0	7.6	297.8	3.0	43.1
Disorders of vision, except refractive errors:						
Blindness, bilateral.....	1.3	0	0.5	404.8	0.4	113.4

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non-effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS VI—Continued						
Disorders of vision, except refractive errors—Continued						
Blindness, unilateral	2.8	0	1.4	512.4	0.4	50.0
Amblyopia	49.0	0	37.0	755.2	3.1	23.1
Hemianopsia	0.8	0	0.4	462.5	0.2	73.9
Color blindness	23.1	0	3.9	169.8	0.6	10.0
Night blindness	1.1	0	0.3	287.0	0.2	52.0
Refractive errors:						
Astigmatism, all types	60.4	0	12.0	198.9	2.8	16.7
Myopia	26.2	0	7.5	286.4	1.1	15.8
Errors of refraction n. e. c.	8.5	0	1.1	130.3	0.4	19.6
Other diseases of the class	6.2	0	1.8	284.1	0.7	40.8
CLASS VII						
Diseases of genito-urinary system (nonvenereal)	1,979.3	1.6	36.3	18.3	83.9	15.5
Kidneys or ureters, except calculi:						
Nephritis	32.8	1.3	9.3	284.8	5.7	63.4
Nephrosis	0.3	0	0.0	166.7	0.0	50.6
Abscess, perinephritic	1.5	0	0	0	0.3	65.4
Pyelitis	65.0	0.0	0.5	7.2	2.6	14.6
Pyelonephritis and pyonephrosis	18.9	0.1	0.9	49.9	1.6	31.1
Hydronephrosis	15.2	0.0	3.3	218.3	2.8	67.1
Albuminuria and hematuria	70.9	0.0	4.9	69.7	4.2	21.8
Diseases and conditions of kidneys or ureters n. e. c.	17.7	0	1.0	54.4	1.4	29.0
Calculi:						
Kidneys or ureters	187.1	0.1	4.0	21.1	11.9	23.2
Other parts of urinary passages	6.8	0	0.2	22.0	0.4	24.1
Bladder:						
Cystitis	53.9	0	0.7	13.0	2.8	19.0
Diseases of bladder n. e. c.	2.9	0	0.6	208.2	0.3	35.3
Urethra:						
Urethritis, acute	174.9	0	0.1	0.4	4.2	8.8
Stricture, urethra	24.6	0.0	2.4	97.8	2.2	31.9
Diseases of urethra n. e. c.	49.0	0	0.3	5.3	2.3	17.4
Prostate:						
Prostatitis, acute	30.6	0	0.0	0.3	1.3	15.8
Prostatitis, chronic	114.3	0	1.6	13.8	7.5	24.0
Enlargement, prostate	4.4	0	0.3	59.9	0.6	54.2
Testicle(s):						
Orchitis and epididymitis	222.0	0	1.1	4.9	9.0	14.9
Hydrocele, tunica vaginalis	42.5	0	0.3	7.1	2.8	23.9
Varicocele	85.2	0	0.3	3.9	4.6	19.9
Cryptorchidism	17.1	0	3.5	203.9	1.4	30.0
Diseases and conditions of testicle(s) n. e. c.	5.4	0	0.0	3.7	0.3	19.0
Penis:						
Balanoposthitis	40.3	0	0.0	0.2	1.2	10.6
Phimosis and paraphimosis	212.0	0.0	0	0	4.8	8.4
Redundant prepuce	471.1	0.0	0	0	6.7	5.2
Conditions of penis n. e. c.	2.5	0	0.8	295.3	0.2	27.1
Other diseases of the class	10.3	0.0	0.3	25.3	0.5	19.3
CLASS VIII						
Communicable diseases transmissible by oral and nasal discharges	16,697.4	8.5	2.5	0.2	346.9	7.6
(A) Diseases classed as communicable in standard health department practice	3,168.1	8.4	2.4	0.8	147.4	17.0
Cerebrospinal fever, meningococcic	35.4	1.7	0.3	9.1	3.9	40.4
Chickenpox	49.6	0.0	0.0	0.2	1.9	14.2
Diphtheria	9.2	0.2	0.0	1.1	0.7	27.9
Diphtheritic paralysis	0.8	0	0.0	48.2	0.1	37.2
Encephalitis, lethargic	0.5	0.0	0.1	291.7	0.1	67.7
German measles	628.7	0.0	0.1	0.2	11.4	6.6
Influenza	120.2	0.1	0.0	0.2	2.0	6.2
Measles	247.8	0.2	0.0	0.1	7.9	11.7
Mumps	640.8	0.0	0.1	0.1	24.6	14.0
Pneumonia, broncho-	189.6	1.6	0.2	1.0	13.9	26.7
Pneumonia, lobar	201.4	1.8	0.4	2.2	17.0	30.8
Pneumonia, primary, atypical, etiology unknown	353.2	0.8	0.3	0.7	23.6	24.3
Poliomyelitis, anterior, acute	5.4	0.8	0.6	104.5	1.5	100.9
Scarlet fever	596.6	0.7	0.3	0.4	36.8	22.5
Septic sore throat	86.5	0.2	0	0	1.9	8.0
Smallpox	0.1	0	0	0	0.0	23.0
Whooping cough	1.5	0	0	0	0.1	17.2
Other diseases of the class (A)	0.7	0	0	0	0.0	8.2
(B) Common infectious diseases of the respiratory type	13,529.2	0.2	0.0	0.0	199.5	5.4
Angina, Vincent's	358.2	0.0	0.0	0.1	7.3	7.4
Bronchitis, acute	419.1	0.0	0	0	10.2	8.9
Catarrhal fever, acute	9,206.1	0	0	0	123.8	4.9
Laryngitis, acute	109.2	0	0	0	2.0	6.8

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS VIII—Continued						
(B) Common infectious diseases of the respiratory type—Continued						
Pharyngitis, acute.....	1,162.9	0.0	0	0	18.5	5.8
Rhinitis, acute.....	38.4	0	0	0	0.6	5.8
Tonsillitis, acute.....	2,192.6	0.1	0	0	35.9	6.0
Tracheitis, acute.....	11.4	0	0	0	0.2	7.0
Tracheobronchitis, acute.....	30.7	0.0	0	0	0.9	10.6
Other diseases of the class (B).....	0.5	0.0	0.0	43.5	0.0	18.8
CLASS IX						
Communicable diseases transmissible by intestinal discharges.....	203.6	0.2	0.0	0.0	4.6	8.2
Dysentery, bacillary.....	200.6	0.1	0.0	0.0	4.2	7.7
Dysentery, balantidic.....	0.1	0	0	0	0.0	33.9
Paratyphoid fever.....	1.9	0.0	0	0	0.2	33.0
Typhoid fever.....	1.0	0.0	0	0	0.1	53.4
Other diseases of the class.....	0.0	0	0	0	0.0	17.3
CLASS X						
Communicable diseases transmissible by insects and other arthropods.....	1,654.1	1.2	9.9	6.0	124.7	27.5
Malaria:						
Blackwater fever.....	0.3	0.0	0.0	33.3	0.0	36.0
Malaria, benign tertian.....	901.7	0.2	5.4	6.0	74.3	30.1
Malaria, malignant tertian.....	97.7	0.5	0.2	2.0	6.8	25.4
Malaria, quartan.....	3.6	0	0.0	11.0	0.2	23.3
Malaria, n. e. c.....	138.2	0.1	0.7	4.9	9.4	25.0
Dengue.....	377.9	0.0	0.0	0.0	6.3	6.1
Filariasis.....	120.8	0	3.4	28.2	25.2	76.1
Tularemia.....	0.1	0	0	0	0.0	35.2
Rickettsial diseases:						
Rocky Mountain spotted fever group.....	0.3	0.0	0	0	0.0	30.1
Typhus, scrub.....	6.2	0.3	0.1	16.3	1.7	102.8
Typhus fever, other.....	4.1	0.0	0	0	0.4	38.2
Other diseases of the class.....	3.1	0	0.1	28.8	0.1	16.3
CLASS XI						
Tuberculosis, all forms.....	138.2	3.4	85.5	618.4	39.4	104.1
Tuberculosis, pulmonary, primary, active.....	1.1	0	0.1	72.7	0.3	88.8
Tuberculosis, pulmonary, primary, apparently healed.....	3.2	0	1.3	406.9	0.5	57.4
Tuberculosis, pulmonary, reinfection, active.....	67.0	2.0	35.3	527.7	25.9	141.2
Tuberculosis, pulmonary, reinfection, arrested.....	56.1	0	43.7	779.7	9.5	62.0
Tuberculosis, n. e. c.....	10.8	1.4	5.0	462.1	3.2	107.6
CLASS XII						
Venereal diseases.....	3,409.3	0.1	21.2	6.2	86.1	9.2
Gonorrheal infections:						
Gonococcus infection, urethra.....	2,786.4	0	1.2	0.4	55.3	7.2
Gonococcus infection, urinary system n. e. c.....	65.1	0	2.7	41.6	3.8	21.4
Gonococcus infection, joint.....	4.2	0	0.2	54.4	0.6	55.1
Gonococcus infection, conjunctiva.....	1.8	0	0	0	0.1	14.3
Gonococcus infection, n. e. c.....	16.8	0.0	0.1	4.2	0.5	10.2
Syphilis:						
Syphilis, early.....	270.4	0	12.6	46.5	13.3	18.0
Syphilis, latent.....	52.5	0	1.3	24.2	3.3	23.1
Tabes dorsalis without psychosis.....	0.6	0	0.3	500.0	0.2	112.1
Syphilis of central nervous system n. e. c.....	8.0	0.0	2.4	301.6	1.8	81.4
Syphilis, n. e. c.....	33.9	0.1	0.2	5.6	1.9	20.1
Chancroid and chancroidal lymphadenitis.....	138.9	0	0.1	0.5	3.6	9.5
Lymphogranuloma venereum.....	29.6	0	0.2	6.8	1.6	20.4
Granuloma inguinale, venereal.....	0.6	0	0	0	0.0	29.2
Other diseases of the class.....	0.2	0	0	0	0.0	13.6
CLASS XIII						
Other diseases of the infectious type.....	2,978.8	1.8	58.2	19.5	159.4	19.5
Infections, localized:						
Abscess.....	286.4	0.2	0.6	2.1	11.1	14.2
Carbuncle and furuncle.....	495.5	0.0	0.6	1.3	10.0	7.3
Cellulitis.....	1,512.3	0.1	0.4	0.3	31.7	7.6
Gas bacillus infection.....	2.1	0	0.0	4.8	0.1	18.5
Focal infection.....	4.8	0	0	0	0.1	10.7
Food poisoning:						
Food infection.....	33.5	0	0	0	0.4	4.1
Food poisoning, bacterial.....	56.9	0	0.0	0.4	0.4	2.9
Botulism.....	0.3	0	0.0	35.7	0.0	7.6
Food intoxication, n. e. c.....	23.5	0.0	0	0	0.2	2.8

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XIII—Continued						
Dysentery, n. e. c.	40.0	0.0	0.0	0.2	0.8	7.5
Erysipelas	15.0	0.0	0.1	4.0	0.5	12.7
Jaundice, acute infectious	168.2	0.0	0.1	0.7	12.3	26.6
Jaundice, epidemic (Weil's disease)	2.7	0.0	0	0	0.1	18.2
Rheumatic fever	212.8	0.6	54.6	256.6	86.4	148.2
Septicemia and pyemia	7.9	0.6	0.0	3.8	0.7	33.6
Tetanus	0.0	0.0	0	0	0.0	38.2
Undulant fever	3.4	0.0	1.4	416.7	0.9	97.0
Vaccinia	23.2	0.0	0.0	0.9	0.3	4.1
Yaws	0.3	0	0	0	0.0	25.3
Fever, cause undetermined	87.1	0.0	0.2	2.4	3.1	13.0
Other diseases of the class	2.9	0.1	0.0	17.1	0.2	22.9
CLASS XIV						
Diseases of lymphatic system	371.9	0.6	3.0	8.0	12.6	12.4
Hodgkin's disease	2.4	0.5	1.1	458.7	1.1	160.0
Lymphadenitis and lymphangitis	366.8	0.0	1.0	2.7	11.2	11.1
Lymphangiectasis	0.7	0	0.2	223.9	0.0	27.7
Other diseases of the class	2.0	0.2	0.7	352.9	0.3	53.6
CLASS XV						
Diseases of mind	1,515.4	0.4	1,083.1	714.8	324.1	78.1
Psychotic conditions:						
Schizophrenia (dementia praecox)	92.7	0.2	78.8	849.9	31.8	125.3
Psychosis, manic-depressive	20.1	0.0	16.6	822.5	6.5	118.7
Reactive depression	9.0	0	5.6	624.6	1.9	78.0
Paranoia and paranoid state	2.5	0	1.4	572.0	0.7	101.1
Psychosis, alcoholic	3.1	0	0.5	160.6	0.3	36.8
Psychosis with tabes dorsalis	0.3	0	0.2	884.6	0.0	71.4
Dementia paralytica	1.6	0.0	0.9	594.9	0.6	129.8
Psychosis with mental deficiency	1.0	0	0.5	557.9	0.3	106.0
Psychosis, n. e. c.	39.1	0.1	25.8	660.8	11.1	103.6
Psychoneuroses:						
Psychoneurosis, hysteria	83.1	0.0	50.7	610.2	16.2	71.3
Psychoneurosis, anxiety	343.9	0.0	274.3	797.7	78.3	83.1
Psychoneurosis, neurasthenia	37.4	0	26.2	702.0	7.2	70.8
Psychoneurosis, obsessive-compulsive	8.8	0	6.5	743.7	1.7	69.9
Psychoneurosis, n. e. c.	257.2	0.0	163.0	633.6	50.6	71.8
Psychopathic personality	473.4	0.0	358.3	756.8	97.0	74.8
Mental deficiency	47.2	0	26.9	569.4	6.8	52.8
Speech disorder	4.0	0	2.3	576.0	0.6	58.9
Alcoholism, chronic	8.9	0	1.6	175.3	1.1	44.0
Enuresis	56.4	0	26.3	466.3	6.4	41.7
Other diseases of the class	25.6	0	16.5	644.1	4.8	67.7
CLASS XVI						
Diseases of motor system	1,468.6	0.0	399.0	271.6	194.5	48.3
Bones or cartilage:						
Osteomyelitis	35.9	0.0	6.0	168.4	8.3	84.6
Osteochondritis deformans	5.4	0	4.0	745.4	0.9	59.6
Osteochondritis dissecans	20.1	0	7.7	384.7	4.0	73.2
Periostitis, nontraumatic	9.3	0	1.0	112.1	0.9	33.9
Spur, bone	9.3	0	1.5	165.8	1.1	43.2
Diseases and conditions of bone or cartilage n. e. c.	30.2	0	10.4	342.7	4.5	54.1
Joints:						
Arthritis, acute	124.4	0	1.6	12.8	11.9	34.8
Arthritis, chronic	255.6	0.0	136.6	534.3	55.4	79.1
Arthritis deformans	3.6	0	1.7	471.9	0.9	88.7
Ankylosis	10.3	0	4.4	429.7	1.7	60.6
Joint, internal derangement of	139.3	0	46.4	333.3	24.3	63.7
Loose body in joint	8.1	0	1.8	222.8	1.2	53.2
Spondylitis	9.4	0	4.2	446.5	1.9	75.3
Diseases of joints n. e. c.	13.4	0.0	2.5	190.5	1.4	38.8
Muscles, tendons, or fascia:						
Myositis, acute and chronic	317.4	0	34.4	108.5	25.7	29.6
Rheumatism, muscular	24.4	0	4.6	191.2	3.5	52.4
Contracture	14.6	0	2.9	196.0	2.6	66.3
Hernia, muscle, fascia, or tendon sheath	8.0	0	1.0	123.8	1.0	45.0
Bursitis	107.9	0	4.1	38.2	6.7	22.8
Synovitis, nontraumatic	58.2	0	10.0	172.6	6.6	41.4
Tenosynovitis	31.1	0	0.9	28.4	1.7	19.7
Ganglion, tendon sheath	19.4	0	0.1	6.2	0.9	17.2
Flatfoot	154.6	0	87.2	563.9	19.4	45.7
Diseases and conditions of muscles, tendons, or fascia n. e. c.	6.6	0	1.0	148.9	0.8	42.0
Deformities of motor system n. e. c.	44.2	0	20.4	460.4	5.9	48.4
Other diseases of the class	7.8	0	2.2	286.8	1.3	62.0

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XVII						
Diseases of nervous system.....	372.4	4.2	139.0	373.3	67.2	65.9
Brain:						
Abscess, brain.....	1.6	0.4	0.2	95.5	0.2	54.7
Encephalitis, acute, nonlethargic.....	4.6	0.6	0.1	30.6	0.5	41.9
Encephalitis, chronic, nonlethargic.....	3.3	0.0	2.2	682.9	0.7	81.6
Hemorrhage, brain.....	3.9	1.7	0.6	142.5	0.6	54.3
Hemiplegia, old.....	1.4	0	0.8	573.5	0.3	83.1
Paralysis agitans.....	1.3	0	0.8	615.4	0.3	78.5
Chorea, progressive, chronic (Huntington's).....	0.1	0	0.1	600.0	0.0	58.0
Athetosis and chorea (except Huntington's).....	1.2	0	0.6	440.0	0.3	83.0
Epilepsy.....	71.0	0.0	57.7	813.2	14.0	72.1
Epilepsy, jacksonian.....	1.9	0	1.2	597.9	0.4	79.6
Diseases and conditions of brain n. e. c.....	6.8	0.0	3.0	448.7	1.2	64.0
Meninges:						
Choriomeningitis, benign lymphocytic.....	2.3	0.0	0.0	17.2	0.2	36.8
Meningitis, except meningococci.....	14.2	1.2	0.4	26.1	1.5	39.0
Spinal cord:						
Poliomyelitis, anterior, chronic.....	3.8	0	1.6	434.7	0.9	86.0
Sclerosis, amyotrophic lateral.....	0.5	0.0	0.3	560.0	0.1	95.5
Sclerosis, disseminated.....	2.2	0.0	1.4	644.4	0.6	96.7
Myelitis.....	1.8	0.0	0.6	308.1	0.7	135.0
Diseases of spinal cord n. e. c.....	1.4	0.0	0.6	394.4	0.4	104.7
Peripheral nerves:						
Paralysis, nerve.....	68.5	0	19.1	278.7	17.7	94.5
Neuritis.....	88.1	0	12.9	147.0	13.2	54.5
Neuralgia.....	26.4	0	2.0	74.1	2.3	31.6
Diseases of peripheral nerves n. e. c.....	1.6	0	1.1	679.5	0.3	79.8
Migraine.....	46.1	0	21.4	463.4	6.9	54.9
Dystrophy, progressive muscular.....	0.8	0	0.6	792.7	0.2	83.1
Other diseases of the class.....	17.5	0.0	9.8	561.7	3.5	73.9
CLASS XVIII						
Diseases of respiratory system.....	603.9	0.6	152.8	252.9	78.8	47.6
Trachea or bronchi:						
Bronchiectasis.....	19.2	0.0	12.6	658.8	4.4	84.6
Chronic inflammation of trachea or bronchi n. e. c.....	77.8	0.0	9.7	125.2	9.1	42.7
Diseases and conditions of trachea or bronchi n. e. c.....	0.5	0	0.1	187.5	0.1	62.2
Lungs:						
Atelectasis.....	2.9	0.0	0.1	41.5	0.2	29.5
Emphysema, pulmonary.....	2.2	0.0	0.8	371.0	0.4	59.3
Pneumonitis, acute.....	115.2	0.1	0.1	0.6	6.6	20.9
Pneumonia, n. e. c.....	8.5	0.0	1.5	179.7	1.3	57.5
Silicosis.....	1.2	0	0.7	577.6	0.2	58.2
Pneumoconiosis, n. e. c.....	1.1	0	0.5	440.4	0.2	54.6
Diseases and conditions of lungs n. e. c.....	0.9	0.1	0.0	55.6	0.0	11.6
Pleura:						
Empyema.....	13.3	0.1	1.1	82.8	4.3	117.1
Pleurisy, fibrinous, acute.....	71.5	0.0	0.2	2.2	2.9	14.7
Pleurisy with effusion.....	39.2	0.1	3.1	79.6	8.0	74.6
Pleurisy, fibrinous, chronic.....	21.8	0	6.9	318.6	3.0	50.1
Pneumothorax.....	15.3	0.0	1.3	86.6	2.2	52.9
Allergic:						
Asthma.....	188.1	0.1	109.7	583.3	33.2	64.5
Hay fever.....	16.5	0	3.6	218.1	1.8	39.7
Other diseases of the class.....	8.9	0.0	0.6	65.5	0.9	38.1
CLASS XIX						
Diseases of skin, hair, and nails.....	1,090.9	0.0	74.8	68.5	71.3	23.8
Skin:						
Acne.....	68.4	0	21.6	316.1	10.8	57.8
Callosity.....	7.5	0	0.6	73.5	0.5	26.3
Cicatrix, skin.....	30.9	0	7.2	231.7	4.0	47.1
Dermatitis seborrheica.....	10.2	0	0.5	45.1	0.8	29.7
Dermatitis venenata.....	129.6	0	1.8	13.5	5.3	14.8
Dermatitis, industrial.....	3.7	0	0.1	35.4	0.2	21.0
Eczema.....	49.3	0	11.8	238.8	6.6	49.2
Dermatitis, n. e. c.....	125.1	0	9.5	76.0	10.8	31.4
Erythema.....	40.1	0	0.4	11.0	1.7	15.2
Herpes.....	13.5	0	0.0	3.7	0.4	9.9
Herpes zoster.....	28.2	0	0.0	1.1	0.8	10.7
Impetigo.....	116.5	0	0.0	0.3	3.1	9.7
Lichen planus.....	4.8	0	0.9	195.8	0.9	65.4
Lupus erythematosus.....	3.8	0.0	1.8	481.3	0.8	73.0
Pemphigus.....	0.6	0	0.3	500.0	0.1	42.7
Pityriasis rosea.....	16.2	0	0.0	1.9	0.5	11.3
Pruritus.....	20.2	0	0.0	1.5	0.5	8.6
Psoriasis.....	11.2	0	0.7	62.7	0.9	29.8
Sycosis.....	13.3	0	4.9	369.0	1.8	49.6
Ulcer, skin.....	11.9	0	0.8	66.7	1.2	36.9
Other diseases of the class.....	80.3	0	1.2	14.8	7.0	31.6

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XIX—Continued						
Skin—Continued						
Urticaria.....	102.8	0	5.0	48.4	4.4	15.6
Diseases and conditions of skin n. e. c.....	40.8	0	4.1	100.2	3.2	29.1
Hair and nails:						
Folliculitis.....	17.2	0	0.3	16.3	0.8	17.6
Ingrowing nail.....	128.8	0	0.0	0.3	3.3	9.4
Onychia.....	9.3	0	0.0	1.1	0.2	9.3
Diseases and conditions of hair and nails n. e. c.....	2.0	0	0.2	89.6	0.1	25.1
Other diseases of the class.....	4.8	0	1.0	206.7	0.5	40.7
CLASS XX						
Herniae.....	651.2	0.2	24.0	36.8	76.7	43.0
Hernia, diaphragmatic.....	1.1	0.0	0.4	388.9	0.2	70.6
Hernia, femoral.....	4.4	0	0.1	20.7	0.5	40.6
Hernia, inguinal.....	537.8	0.1	9.6	17.9	58.3	39.6
Hernia, umbilical.....	9.4	0.0	0.2	26.6	0.9	35.1
Hernia, ventral.....	27.2	0	1.6	58.9	3.0	40.9
Hernia, recurrent, after operation.....	40.0	0.0	3.1	78.3	6.3	57.3
Hernia, strangulated.....	2.3	0.0	0	0	0.2	33.6
Hernia, intervertebral disc.....	23.8	0.0	8.7	365.7	6.9	105.7
Other herniae of the class.....	5.0	0	0.1	23.9	0.3	21.2
CLASS XXI						
Miscellaneous diseases and conditions.....	3,640.0	1.0	295.4	81.2	338.8	34.0
Absence, acquired:						
Eye(s).....	10.2	0	5.7	557.2	2.4	87.6
Ear(s).....	0.1	0	0.0	181.8	0.0	168.5
Hand(s), forearm(s), arm(s), or upper extremity(ies).....	2.8	0.0	0.8	292.8	1.1	142.6
Foot (feet), leg(s), or lower extremity(ies).....	8.6	0.0	1.6	187.4	4.0	169.0
Finger(s).....	9.4	0	2.0	217.5	1.3	50.4
Toe(s).....	3.6	0	1.2	325.9	0.6	57.2
All other.....	10.8	0.0	5.1	475.0	1.7	56.0
Other deformities:						
Absence, congenital.....	1.6	0	0.5	327.0	0.2	40.8
Deformity, acquired.....	207.9	0	129.0	620.6	28.9	50.7
Deformity, congenital.....	87.6	0	49.4	564.4	14.6	60.6
Atrophy.....	18.1	0.0	8.0	445.6	2.8	56.0
Defective physical development.....	2.1	0	1.4	668.2	0.3	53.0
Foreign body, nontraumatic.....	6.5	0.0	0.2	35.5	0.4	23.4
Other surgical conditions:						
Adhesions.....	7.2	0	1.3	182.8	0.9	44.6
Calculus, n. e. c.....	8.0	0	0.2	27.7	0.4	21.0
Diverticulum.....	4.1	0.0	1.1	260.4	0.6	53.6
Fistula, n. e. c.....	6.6	0	0.6	86.0	1.1	59.9
Gangrene, n. e. c.....	2.3	0.0	0.1	26.5	0.3	45.9
Hemorrhage, n. e. c.....	21.4	0.3	1.2	56.2	1.6	27.2
Rupture, nontraumatic.....	6.2	0.1	1.4	221.7	0.8	45.4
Sinus.....	12.8	0	0.3	23.6	1.3	37.2
Ulcer, n. e. c.....	30.9	0.0	0.5	15.9	2.2	25.5
Medical and NP conditions:						
Allergy.....	37.8	0	8.2	216.5	3.6	34.6
Anaphylaxis and serum sickness.....	36.3	0.0	0	0	0.4	3.6
Anti-inoculation.....	196.8	0	0.0	0.0	1.7	3.2
Motion sickness.....	102.9	0	4.2	41.0	8.7	31.0
Shock.....	2.0	0.0	0	0	0.0	4.7
Vertigo.....	12.4	0	0.6	47.8	0.7	20.4
Nutritional diseases and avitaminosis.....	25.9	0.0	3.5	134.4	3.5	50.0
Asthenia, postinfective and postsurgical.....	20.5	0	1.5	73.3	3.4	59.6
Headache.....	97.7	0	9.2	94.6	7.6	28.6
Fatigue, combat.....	156.7	0	1.4	9.2	25.2	58.7
Fatigue, operational.....	128.0	0	0.9	6.7	23.0	65.5
Alcoholism.....	57.1	0.2	0.0	0.9	0.8	4.9
Drug addiction.....	2.4	0.0	0.5	209.0	0.4	55.4
No disease.....	2,038.8	0.1	47.9	23.5	177.1	31.7
Observation for aptitude.....	160.0	0	5.5	34.3	17.1	39.1
Medical observation.....	1,177.3	0	0.5	0.4	52.8	16.4
Communicable disease contact.....	21.3	0	0	0	0.5	8.0
Convalescent leave.....	397.2	0.1	0.2	0.5	76.4	70.2
Unsuited for further useful service.....	82.1	0	39.9	486.3	18.6	82.7
All other conditions.....	201.0	0	1.8	8.9	11.7	21.2
Diagnosis undetermined.....	173.1	0	0.8	4.3	10.3	21.7
Other diseases and conditions of the class.....	82.6	0.2	4.9	59.3	5.1	22.7
CLASS XXII						
Parasitic diseases (fungi and certain animal parasites).....	983.7	0.2	11.4	11.6	47.9	17.8
Mycoses:						
Actinomycosis.....	0.3	0.0	0	0	0.1	78.1
Coccidioidal granuloma.....	0.2	0.1	0.0	181.8	0.1	103.0

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XXII—Continued						
Mycoses—Continued						
Dermatophytosis.....	568.9	0	10.7	18.7	34.2	21.9
Mycosis, n. e. c.....	4.2	0.0	0.0	11.9	0.3	22.6
Protozoiasis:						
Amebiasis.....	31.2	0.1	0.4	11.6	3.3	38.8
Flagellate infection, intestinal.....	2.6	0	0	0	0.2	26.2
Protozoiasis n. e. c.....	0.2	0	0.0	160.0	0.0	67.8
Helminthiasis:						
Ascariasis.....	5.2	0	0	0	0.2	16.4
Hookworm disease.....	72.3	0	0.1	1.8	3.1	15.5
Schistosomiasis.....	0.6	0.0	0.0	36.4	0.2	105.6
Strongyloidiasis.....	4.6	0	0.0	8.8	0.4	32.7
Teniasis.....	4.5	0	0.0	2.2	0.2	15.9
Trichinosis.....	0.6	0	0.0	33.3	0.1	39.4
Helminthiasis n. e. c.....	4.6	0	0.0	4.3	0.3	21.6
Arthropod infestations:						
Pediculosis.....	4.3	0	0	0	0.1	6.5
Scabies.....	275.4	0	0.0	0.1	5.0	6.7
Arthropod infestation n. e. c.....	0.7	0	0	0	0.0	8.5
Spirochetal diseases n. e. c.....	0.4	0	0	0	0.0	16.3
Other diseases of the class.....	2.7	0	0.0	7.5	0.2	30.4
CLASS XXIII						
Tumors.....	626.2	7.2	20.2	32.2	63.6	37.0
Benign.....	587.3	0.3	13.2	22.6	53.6	33.3
Adenoma.....	3.0	0.0	0.1	46.0	0.3	36.0
Fibroadenoma.....	17.4	0	0.1	6.4	1.0	20.5
Teratoma, n. e. c.....	0.6	0.0	0.0	35.7	0.1	44.2
Tumor, mixed, benign.....	7.8	0.1	0.6	76.8	0.8	39.0
Cyst, retention.....	44.8	0	0.2	5.4	1.6	12.9
Cyst, teratoma.....	297.4	0	1.3	4.3	33.6	41.2
Cyst, n. e. c.....	61.9	0.0	2.7	43.6	4.6	27.3
Wart.....	57.8	0	0.6	9.5	2.9	18.3
Epithelial, n. e. c.....	11.6	0.0	0.3	22.5	0.9	28.7
Bone or cartilage.....	23.4	0.0	4.2	177.4	3.1	49.0
Fat tissue.....	22.1	0	0.4	18.1	1.1	18.8
Muscular.....	0.7	0	0.2	315.1	0.1	31.8
Nerve tissue.....	6.3	0.0	1.0	153.6	1.0	55.8
Vascular.....	13.3	0.0	1.1	82.4	1.3	35.3
Connective tissue, n. e. c.....	12.3	0.1	0.4	33.5	0.9	25.8
Miscellaneous tumors.....	6.8	0.0	0.1	13.2	0.4	19.9
Malignant.....	36.7	6.9	6.4	174.0	9.4	94.0
Adenocarcinoma.....	1.8	0.8	0.4	228.3	0.7	144.6
Carcinoma.....	9.8	2.7	1.6	159.0	3.1	114.5
Hypernephroma.....	0.2	0.1	0.0	66.7	0.0	133.3
Myeloma, multiple.....	0.2	0.1	0.0	333.3	0.1	203.3
Lymphoma.....	1.3	0.1	0.4	292.3	0.2	59.0
Lymphosarcoma.....	1.3	0.5	0.4	303.0	0.5	131.5
Teratoma, testicle(s).....	1.6	0.4	0.4	262.8	0.5	128.0
Tumor, mixed, malignant.....	1.3	0.3	0.3	238.8	0.4	118.7
Epithelial, n. e. c.....	8.9	0.3	0.7	77.4	1.4	57.6
Nerve tissue.....	1.2	0.7	0.4	280.0	0.4	131.5
Connective tissue, n. e. c.....	2.6	0.8	0.6	216.2	1.0	138.6
Tumor, mixed, n. e. c.....	6.4	0.2	1.2	190.9	1.0	56.1
Other: Unspecified as to benign or malignant.....	2.2	0.0	0.5	239.8	0.5	80.8
CLASS XXIV						
Female diseases and conditions.....	111.6	0.0	6.6	59.4	3.6	11.9
Ovaries or fallopian tubes, except malpositions:						
Salpingitis, acute and chronic.....	10.5	0	1.8	169.4	0.7	24.0
Oophoritis, acute and chronic.....	1.9	0	0.1	31.6	0.1	12.6
Rupture of graafian follicle.....	1.2	0	0	0	0.0	9.7
Diseases and conditions of ovaries or fallopian tubes n. e. c.....	0.1	0	0	0	0.0	33.8
Fundus uteri:						
Endometritis and metritis.....	0.8	0	0.0	25.3	0.0	23.3
Diseases and conditions of fundus uteri n. e. c.....	0.2	0	0	0	0.0	10.0
Cervix uteri and vagina:						
Endocervicitis and vaginitis (nonvenereal).....	5.8	0	0.1	13.7	0.3	17.7
Diseases and conditions of cervix and vagina n. e. c.....	0.2	0	0	0	0.0	28.0
External genitalia:						
Vulvitis, nonvenereal.....	0.3	0	0	0	0.0	9.3
Diseases and conditions of external genitalia n. e. c.....	0.1	0	0.0	100.0	0.0	17.0
Malpositions and disorders of supporting structures:						
Displacement of internal genital organs.....	1.9	0	0.2	114.0	0.1	25.5
Cystocele, rectocele, and relaxation of pelvic floor.....	0.1	0	0.0	166.7	0.0	28.8
Functional disorders:						
Amenorrhea.....	1.6	0	0.0	31.2	0.1	15.8
Dysmenorrhea.....	14.9	0	0.8	51.7	0.3	7.2
Menorrhagia and metrorrhagia.....	16.4	0	0.5	28.7	0.7	15.1
Functional disorders n. e. c.....	1.5	0	0.6	389.3	0.1	30.3

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XXIV—Continued						
Breast:						
Mastitis, acute and chronic.....	1.0	0	0.0	39.2	0.0	15.5
Diseases and conditions of breast n. e. c.....	0.0	0	0	0	0.0	17.0
Obstetrical conditions:						
Pregnancy.....	44.8	0	2.0	45.3	0.7	5.6
Abortion.....	4.0	0.0	0.2	50.6	0.2	17.8
Toxemia of pregnancy.....	0.1	0	0	0	0.0	11.3
Other diseases of the class.....	4.1	0	0.3	73.5	0.2	20.9
CLASS XXVII						
Dental diseases and conditions.....	517.4	0	14.3	27.7	21.4	15.1
Diseases and conditions of enamel, dentin, cementum, and pulp:						
Caries, teeth.....	12.0	0	2.2	184.9	0.8	23.2
Erosion.....	0.0	0	0	0	0.0	14.0
Hypercementosis.....	0.2	0	0	0	0.0	6.9
Pulpitis.....	0.9	0	0	0	0.0	9.6
Diseases and conditions of the periodontal and gingival tissues:						
Abscess, periodontal.....	25.9	0	0	0	0.6	8.1
Gingivitis, heavy metals.....	0.0	0	0	0	0.0	6.8
Gingivitis, Vincent's.....	34.0	0	0	0	0.7	7.3
Gingivitis, n. e. c.....	8.0	0	0.0	2.5	0.2	10.9
Paradentosis.....	19.9	0	1.3	64.1	1.9	35.0
Periodontitis.....	1.2	0	0	0	0.0	10.2
Periapical diseases and their sequelae:						
Abscess, dentoalveolar, acute.....	50.6	0	0.0	0.2	1.1	7.7
Abscess, periapical.....	39.8	0	0.3	8.0	0.8	7.4
Fistula, dentoalveolar.....	0.4	0	0.0	25.6	0.0	29.2
Diseases and conditions of the soft tissues of the oral cavity:						
Abscess, pericoronal.....	6.6	0	0	0	0.1	6.5
Abscess, pterygomandibular.....	0.4	0	0	0	0.0	23.9
Aphthae.....	0.1	0	0	0	0.0	12.2
Herpes, oral.....	0.3	0	0	0	0.0	11.5
Infection, Vincent's, oral, generalized.....	1.7	0	0	0	0.0	6.1
Perlèche.....	0.0	0	0	0	0.0	40.0
Developmental abnormalities of the teeth:						
Fluorosis, dental.....	0.1	0	0	0	0.0	5.5
Malocclusion.....	2.4	0	0.9	389.8	0.2	38.7
Malposition, tooth (teeth).....	0.6	0	0.0	46.2	0.0	17.7
Tooth, impacted.....	64.8	0	0	0	0.9	5.2
Tooth, unerupted.....	12.4	0	0.0	0.8	0.2	5.6
Miscellaneous dental diseases and conditions:						
Absence, acquired, tooth (teeth).....	211.1	0	9.4	44.6	12.9	22.2
Infection, dental, residual.....	1.6	0	0	0	0.0	10.7
Infection, focal, teeth.....	7.7	0	0.1	7.8	0.5	23.7
Odontalgia.....	3.2	0	0	0	0.0	6.6
Odontorrhagia.....	7.4	0	0	0	0.1	4.8
Other diseases of the class.....	3.8	0	0.0	13.3	0.1	13.5
INJURIES						
CLASS XXV						
Injuries.....	4,583.5	220.0	121.8	26.6	321.0	25.6
Abrasion and contusion.....	646.5	0.0	0.6	0.9	14.7	8.3
Head or face.....	58.9	0	0.0	0.8	1.0	6.1
Eye(s).....	28.6	0	0.1	3.8	0.6	7.5
Thorax or back.....	84.9	0.0	0.0	0.6	2.3	9.9
Abdomen.....	14.2	0	0.0	1.4	0.3	7.5
Genital organs.....	10.7	0	0	0	0.2	7.1
Buttock(s).....	12.0	0	0.0	1.7	0.2	7.9
Upper extremity(ies).....	63.9	0	0.1	2.0	1.4	7.8
Lower extremity(ies).....	239.7	0	0.1	0.6	5.3	8.1
Combinations of parts listed above.....	89.8	0	0.1	0.7	2.3	9.2
All parts n. e. c.....	43.8	0.0	0.0	0.4	1.0	8.8
Burn (exclusive of chemical, radium, X-ray, or ultraviolet).....	204.7	6.7	0.6	3.0	10.7	19.1
Head or face.....	10.1	0	0	0	0.2	8.0
Eye(s).....	7.3	0	0.0	4.1	0.1	6.9
Thorax or back.....	6.0	0	0	0	0.2	9.9
Abdomen.....	2.4	0	0	0	0.0	9.0
Genital organs.....	0.4	0	0	0	0.0	11.7
Buttock(s).....	0.8	0	0	0	0.0	14.7
Upper extremity(ies).....	34.5	0.0	0.0	0.6	1.0	10.9
Lower extremity(ies).....	53.7	0.0	0.1	2.4	2.8	19.3
Combinations of parts listed above.....	86.4	6.6	0.4	5.0	6.1	25.8
All parts n. e. c.....	3.0	0.0	0	0	0.1	11.7
Dislocation, simple and compound.....	92.4	0.1	2.8	30.8	8.2	32.5
Vertebral.....	4.3	0.1	0.7	163.2	0.9	79.2
Hip(s).....	1.8	0	0.0	16.4	0.3	54.4
Shoulder(s).....	31.8	0	0.5	15.5	1.7	19.4
Knee(s).....	6.6	0	0.2	24.2	0.7	37.1

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES—Continued						
CLASS XXV—Continued						
Dislocation, simple and compound—Continued						
Ankle(s)	3.2	0	0.1	38.0	0.6	63.3
Elbow(s)	14.6	0	0.2	13.8	1.0	25.5
Wrist(s)	1.9	0	0.2	78.5	0.3	54.0
Finger(s)	5.2	0	0.0	3.8	0.3	19.4
Jaw(s)	0.8	0	0.0	13.3	0.0	22.7
All joints n. e. c.	22.1	0	1.0	43.5	2.5	41.0
Dislocation, articular cartilage, knee	63.9	0	6.2	97.4	9.6	54.8
Sprain, joint	599.7	0	6.9	11.5	19.9	12.1
Ankle(s)	321.4	0	0.3	0.8	6.2	7.0
Knee(s)	115.0	0	0.4	3.0	4.4	14.0
Elbow(s)	10.0	0	0.0	2.0	0.3	10.0
Wrist(s)	14.6	0	0.0	1.4	0.3	7.3
All joints n. e. c.	138.6	0	6.2	45.0	8.7	23.0
Other joint injuries	72.9	0	13.4	183.4	10.0	50.0
Vertebral	0.5	0	0.1	117.6	0.1	60.7
Hip(s)	0.4	0	0.1	317.1	0.0	43.7
Shoulder(s)	31.6	0	9.5	300.5	6.3	73.0
Knee(s)	33.3	0	2.3	69.3	2.7	29.8
Ankle(s)	1.4	0	0.4	316.2	0.1	37.4
Elbow(s)	1.1	0	0.1	79.6	0.1	28.7
Wrist(s)	0.5	0	0.2	277.8	0.1	47.9
Finger(s)	0.5	0	0.0	92.6	0.0	38.1
Jaw(s)	0.6	0	0.1	158.7	0.1	52.6
All joints n. e. c.	2.9	0	0.6	195.8	0.4	46.7
Foreign body, traumatic	61.0	0.0	1.7	28.6	2.5	15.2
Eye(s)	31.2	0	0.5	15.1	0.9	10.8
Throat or lung(s)	0.8	0	0.0	24.7	0.0	9.8
Digestive tract	0.9	0	0.0	11.2	0.0	11.8
Genitourinary tract	0.4	0	0	0	0.0	19.3
Head	2.0	0	0.1	44.3	0.1	17.2
Thorax or back	1.5	0	0.2	97.4	0.1	29.8
Abdomen	1.1	0	0.0	37.7	0.1	20.7
Upper extremity(ies)	10.9	0	0.1	11.9	0.4	14.6
Lower extremity(ies)	9.3	0	0.7	77.8	0.6	25.6
Combinations of parts listed above	0.6	0	0.0	51.7	0.0	30.7
All parts n. e. c.	2.4	0.0	0.1	33.9	0.1	18.4
Fracture, compound	129.1	10.4	3.8	29.4	24.5	69.3
Skull	13.5	9.5	0.5	40.2	1.1	30.0
Vertebra(e)	0.2	0.1	0.0	45.4	0.0	70.3
Pelvis	0.4	0.0	0.0	83.3	0.1	85.9
Femur(s) or patella(e)	4.6	0.2	0.4	84.8	2.1	168.4
Lower leg(s) or ankle(s)	13.5	0.2	1.1	81.2	6.6	178.0
Upper arm(s), elbow(s), or shoulder(s)	2.8	0.0	0.2	74.5	0.9	119.3
Forearm(s) or wrist(s)	5.7	0.0	0.3	52.4	1.7	106.1
Foot (feet) or toe(s)	17.0	0	0.4	20.7	2.3	49.5
Hand(s) or finger(s)	38.5	0	0.5	12.2	3.7	35.4
Combinations of bones listed above	1.5	0.4	0.1	40.3	0.4	106.4
All bones n. e. c.	31.4	0.1	0.3	10.9	5.5	63.9
Fracture, simple	1,051.7	8.8	16.2	15.4	123.0	42.7
Skull	16.5	5.3	0.6	33.4	1.7	38.6
Vertebra(e)	41.0	2.4	5.7	138.4	10.3	91.7
Pelvis	9.0	0.1	0.5	59.3	2.2	90.5
Femur(s) or patella(e)	31.1	0.1	1.5	47.1	9.9	116.7
Lower leg(s) or ankle(s)	167.4	0.1	2.3	13.7	24.7	53.8
Upper arm(s), elbow(s), or shoulder(s)	61.8	0.0	0.5	8.4	8.0	47.6
Forearm(s) or wrist(s)	154.0	0.0	1.4	9.2	17.1	40.6
Foot (feet) or toe(s)	181.6	0.0	1.6	9.0	14.3	28.8
Hand(s) or finger(s)	204.5	0	0.4	2.2	11.9	21.2
Combinations of bones listed above	10.5	0.2	0.5	46.7	2.5	86.3
All bones n. e. c.	174.3	0.5	1.2	6.8	20.2	42.3
Fracture, faulty union of	53.1	0	20.7	390.2	10.4	71.4
Skull	0.1	0	0.1	750.0	0.0	65.0
Vertebra(e)	2.5	0	1.5	615.4	0.4	59.1
Pelvis	0.4	0	0.3	619.0	0.0	48.2
Femur(s) or patella(e)	4.1	0	1.8	439.5	0.8	68.9
Lower leg(s) or ankle(s)	9.4	0	3.8	401.7	2.2	83.2
Upper arm(s), elbow(s), or shoulder(s)	5.4	0	2.1	394.4	0.9	61.3
Forearm(s) or wrist(s)	15.4	0	6.6	427.6	3.4	81.1
Foot (feet) or toe(s)	4.1	0	1.7	412.2	0.7	62.2
Hand(s) or finger(s)	7.5	0	1.4	188.2	1.3	61.3
Combinations of bones listed above	1.0	0	0.6	560.0	0.2	61.5
All bones n. e. c.	3.2	0	0.9	284.8	0.5	61.4
Amputation, traumatic	60.4	0.2	7.6	125.7	8.6	51.8
Between wrist(s) and elbow(s)	0.9	0	0.5	540.2	0.4	167.1
Between elbow(s) and shoulder(s)	0.6	0.0	0.4	661.0	0.4	225.4
Between ankle(s) and knee(s)	1.7	0.1	1.2	670.5	1.3	270.7
Between knee(s) and hip(s)	0.4	0.0	0.3	828.6	0.2	266.4
Combinations of parts listed above	0.1	0.0	0.0	400.0	0.0	124.8
Finger(s)	50.6	0.0	3.7	74.0	4.8	34.8
Toe(s)	4.2	0	1.0	247.6	0.9	81.0
All parts or combinations n. e. c.	1.9	0	0.4	229.2	0.5	89.0

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES—Continued						
CLASS XXV—Continued						
Rupture, traumatic.....	45.3	0.8	5.6	125.0	6.2	49.8
Eye(s).....	1.7	0	0.6	355.4	0.2	54.2
Tympa-num(s).....	13.6	0	0.5	36.9	0.6	14.8
Liver.....	0.6	0.3	0.0	17.8	0.0	33.4
Spleen.....	1.0	0.1	0.0	28.8	0.2	55.9
Muscle(s), cartilage(s), or ligament(s).....	17.8	0.0	3.7	209.7	3.3	67.8
Sites n. e. c.....	10.5	0.4	0.8	74.3	1.8	64.1
Strain, muscular.....	180.3	0	2.6	14.4	7.3	14.8
Back.....	86.7	0	1.3	15.3	4.2	17.5
Abdomen.....	23.3	0	0.0	0.9	0.4	5.7
Extremities.....	27.5	0	0.1	4.0	0.7	10.0
Combinations of muscles listed above.....	1.7	0	0.0	11.7	0.1	13.4
Muscle(s) n. e. c.....	41.1	0	1.1	27.1	2.0	17.5
Wound, incised.....	32.4	0.4	0.1	3.7	1.4	15.9
Head or face.....	2.7	0.0	0	0	0.0	6.2
Eye(s).....	1.1	0	0.0	9.0	0.0	14.4
Thorax or back.....	2.0	0.2	0.0	5.0	0.1	13.9
Abdomen.....	1.3	0.1	0	0	0.0	16.2
Genital organs.....	0.0	0	0	0	0.0	9.2
Buttock(s).....	0.2	0	0	0	0.0	9.1
Upper extremity(ies).....	15.6	0.0	0.1	5.8	0.8	20.0
Lower extremity(ies).....	6.4	0	0.0	1.6	0.2	14.1
Combinations of parts listed above.....	1.3	0.1	0	0	0.0	11.8
All parts n. e. c.....	1.7	0.1	0	0	0.0	8.0
Wound, infected.....	53.2	0.0	0.1	1.5	1.9	13.1
Head or face.....	2.3	0.0	0	0	0.0	7.0
Eye(s).....	0.3	0	0	0	0.0	19.0
Thorax or back.....	0.4	0	0.0	44.4	0.0	37.2
Abdomen.....	1.0	0	0	0	0.1	28.5
Genital organs.....	0.7	0	0.0	13.7	0.0	14.2
Buttock(s).....	0.1	0	0	0	0.0	15.8
Upper extremity(ies).....	22.8	0	0.0	0.4	0.7	11.6
Lower extremity(ies).....	23.4	0	0.0	1.7	0.9	13.9
Combinations of parts listed above.....	0.6	0	0	0	0.0	13.9
All parts n. e. c.....	1.5	0	0	0	0.0	13.2
Wound, lacerated.....	484.5	0.3	1.5	3.1	18.4	13.8
Head or face.....	143.1	0.0	0.1	0.8	2.9	7.3
Eye(s).....	19.7	0	0.4	17.8	0.8	14.0
Thorax or back.....	6.0	0.0	0.0	3.4	0.2	13.8
Abdomen.....	2.6	0.0	0.0	7.6	0.1	16.5
Genital organs.....	2.3	0	0	0	0.1	10.2
Buttock(s).....	1.8	0	0	0	0.1	15.5
Upper extremity(ies).....	142.7	0	0.7	4.8	7.9	20.1
Lower extremity(ies).....	93.3	0.1	0.2	2.7	4.3	17.0
Combinations of parts listed above.....	28.0	0.0	0.0	1.8	1.1	14.7
All parts n. e. c.....	45.0	0.1	0.0	0.2	0.9	7.6
Wound, punctured.....	51.4	0.8	0.4	7.6	1.8	12.8
Head or face.....	1.6	0.0	0.0	6.4	0.0	9.5
Eye(s).....	3.5	0	0.3	76.5	0.4	39.4
Thorax or back.....	5.2	0.4	0.0	7.7	0.3	19.3
Abdomen.....	2.6	0.1	0.0	3.8	0.1	19.7
Genital organs.....	0.1	0	0	0	0.0	6.0
Buttock(s).....	0.6	0	0	0	0.0	15.6
Upper extremity(ies).....	11.6	0	0.0	0.9	0.2	7.3
Lower extremity(ies).....	21.8	0.0	0.0	0.5	0.5	8.4
Combinations of parts listed above.....	1.6	0.0	0.0	12.7	0.1	19.3
All parts n. e. c.....	2.7	0.1	0.0	7.4	0.1	14.8
Wound, fragment.....	18.6	1.8	0.3	16.7	1.6	30.8
Head or face.....	1.1	0.3	0.0	28.0	0.1	21.7
Eye(s).....	0.3	0	0.0	37.0	0.0	48.2
Thorax or back.....	1.6	0.3	0.0	18.5	0.1	28.3
Viscera.....	0.1	0.0	0	0	0.0	65.8
Abdomen.....	0.7	0.2	0.0	14.3	0.0	25.6
Genital organs.....	0.0	0	0	0	0.0	8.0
Buttock(s).....	0.3	0	0	0	0.0	19.2
Upper extremity(ies).....	3.2	0.1	0.1	21.7	0.2	27.0
Lower extremity(ies).....	3.7	0.0	0.1	19.0	0.4	37.5
Combinations of parts listed above.....	5.2	0.9	0.1	15.4	0.5	35.1
All parts n. e. c.....	2.3	0.1	0.0	4.3	0.1	21.2
Wound, gunshot.....	73.0	11.2	3.2	44.0	9.8	49.0
Head or face.....	6.4	5.0	0.1	14.1	0.2	9.6
Eye(s).....	0.2	0	0.0	160.0	0.0	55.0
Thorax or back.....	6.4	3.1	0.2	29.7	0.4	22.3
Viscera.....	0.3	0.2	0	0	0.0	6.1
Abdomen.....	3.9	1.7	0.1	35.7	0.4	40.0
Genital organs.....	0.1	0	0	0	0.0	26.7
Buttock(s).....	1.0	0.0	0.0	20.2	0.1	31.6
Upper extremity(ies).....	17.0	0.0	0.9	51.9	2.3	50.0
Lower extremity(ies).....	30.4	0.1	1.7	55.1	5.6	67.0
Combinations of parts listed above.....	4.5	0.7	0.1	15.5	0.5	40.8
All parts n. e. c.....	2.6	0.4	0.1	38.2	0.2	34.7
Wounds, multiple.....	44.6	0.3	0.4	9.9	3.0	24.3
Aero-embolism.....	0	0	0.0	0	0.0	0.0

APPENDIX TABLE 2.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps: 1942-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES—Continued						
CLASS XXV—Continued						
Air embolism.....	0.2	0.0	0	0	0.0	17.5
Asphyxiation.....	3.4	1.4	0.0	3.0	0.0	2.2
Avulsion.....	9.9	0.0	0.1	11.1	0.7	26.9
Burn, chemical.....	29.5	0.0	0.2	5.1	1.1	13.8
Cataract, traumatic.....	3.0	0	1.2	392.6	0.5	61.2
Compression, diver's squeeze.....	0.2	0	0	0	0.0	12.5
Concussion, blast.....	3.1	0.4	0.1	26.1	0.2	22.8
Crush.....	13.3	2.6	0.2	17.3	1.1	29.6
Deafness due to dive bombing.....	0.0	0	0.0	250.0	0.0	34.5
Deafness due to heavy firing.....	6.6	0	3.5	534.4	1.2	65.4
Deprivation of water.....	0.0	0.0	0	0	0.0	1.5
Electric shock.....	4.2	2.0	0.0	2.4	0.0	3.5
Exhaustion, except heat exhaustion.....	9.8	0.8	0.0	1.0	0.2	8.5
Frostbite and other effects of cold.....	5.3	0.3	0.1	22.8	0.2	13.4
Heat, effects of (exclusive of burns).....	43.7	0.2	0.1	1.4	0.6	5.0
Hematoma, traumatic.....	36.2	0.1	0.2	5.0	1.3	13.0
Hemorrhage, traumatic, eye.....	7.8	0	0.3	37.3	0.4	20.7
Hemorrhage, traumatic, n. e. c.....	8.2	0.3	0.1	9.7	0.4	20.0
Immersion foot.....	0.4	0	0.0	66.7	0.0	31.8
Intracranial injury.....	131.2	5.5	17.5	133.7	11.8	32.9
Intraspinal injury.....	3.0	0.2	0.8	266.0	0.8	94.6
Ophthalmia, actinic rays.....	12.2	0	0.0	0.8	0.1	3.0
Radium, ultraviolet ray, or X-ray, effects of.....	1.5	0	0.1	54.8	0.1	27.7
Starvation.....	0.0	0	0	0	0	0
Submersion, nonfatal.....	8.8	0.0	0	0	0.1	4.3
Sunburn.....	33.3	0	0	0	0.4	4.5
Decapitation.....	0.4	0.4	0	0	0	0
Drowning.....	47.8	67.4	0	0	0.0	0.0
Injuries, multiple, extreme.....	87.4	89.2	0.4	4.2	2.6	10.8
Injuries, type unknown.....	4.7	5.4	0.0	6.4	0.0	4.0
Injury, diagnosis undetermined.....	9.9	0	0	0	0.7	26.2
Other injuries of the class.....	39.7	1.8	2.0	51.3	2.8	25.5
POISONINGS						
CLASS XXVI						
Poisonings.....	71.6	4.4	0.2	3.4	1.8	9.0
Poisoning, acute.....	24.6	4.0	0.0	1.6	0.5	7.7
Poisoning, chronic.....	0.7	0.0	0.1	128.6	0.1	44.5
Poisoning, anesthesia.....	0.6	0.0	0	0	0.0	5.0
Poisoning, therapeutic.....	21.9	0.3	0.1	3.7	0.7	12.1
Poisoning, prophylactic or suppressive.....	10.6	0	0.0	2.8	0.2	8.1
Poisoning, venom.....	12.3	0	0	0	0.2	4.7
War gas.....	0.8	0.0	0	0	0.0	12.7
Diagnosis undetermined.....	0.1	0	0	0	0.0	21.5
Other poisonings of the class.....	0.0	0	0	0	0.0	7.0

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Dispositions during the period					Sick days
	New cases				Read-missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
Grand total, all causes.....	108,143	98,812	7,220	2,111	3,335	101,854	141	4,621	3,525	1,425,609
CLASS TOTALS										
DISEASES										
Total.....	101,767	92,634	7,128	2,005	3,085	95,736	49	4,553	3,270	1,319,339
I. Blood.....	698	654	13	31	33	670	2	10	43	16,386
II. Circulatory system.....	1,141	835	232	74	87	986	2	160	57	23,982
III. Digestive system.....	11,318	10,879	330	109	249	11,083	10	117	306	128,124
IV. Ductless glands.....	390	262	111	17	30	318	2	58	32	13,710
V. Ear, nose, throat.....	5,461	4,154	1,073	234	256	5,326	1	159	203	62,202
VI. Eye and adnexa.....	845	699	123	23	50	769	.....	82	35	13,283
VII. Genito-urinary (nonven.)...	1,611	1,488	89	34	80	1,564	1	38	79	23,527
VIII. Oral, nasal discharges.....	42,352	42,107	28	217	461	41,487	15	5	924	288,956
IX. Intestinal discharges.....	25	25	.....	.....	.....	24	.....	.....	1	545
X. Insects, arthropods.....	85	83	1	1	33	113	.....	1	3	2,315
XI. Tuberculosis.....	423	153	248	22	34	106	4	281	15	31,448
XII. Venereal diseases.....	796	632	116	48	61	758	.....	10	89	14,611
XIII. Other infective types.....	3,819	3,703	46	70	151	3,718	1	70	135	67,119
XIV. Lymphatic system.....	464	449	9	6	18	454	1	9	10	5,979
XV. Mind.....	2,211	765	1,326	120	100	622	1	1,626	65	121,193
XVI. Motor system.....	2,401	1,956	351	94	139	2,101	.....	273	130	62,809
XVII. Nervous system.....	812	597	181	34	69	618	.....	195	44	28,790
XVIII. Respiratory system.....	1,135	910	168	57	93	995	.....	142	70	32,391
XIX. Skin, hair, nails.....	2,418	2,219	162	37	125	2,372	1	65	85	35,542
XX. Herniae.....	132	96	32	4	2	107	.....	10	15	5,830
XXI. Miscellaneous.....	7,636	6,628	613	395	254	6,658	.....	458	352	135,365
XXII. Parasitic.....	905	870	22	13	60	935	.....	2	23	12,080
XXIII. Tumors.....	2,088	1,300	726	62	120	1,945	6	118	107	52,266
XXIV. Female conditions.....	11,105	9,997	831	277	552	10,530	2	657	407	131,897
XXV. Dental conditions.....	1,496	1,173	297	26	28	1,477	.....	7	40	8,989
INJURIES										
XXV. Injuries.....	6,240	6,062	92	86	249	6,026	85	68	218	105,426
POISONINGS										
XXVI. Poisonings.....	136	116	.....	20	1	92	7	.....	37	844
DISEASES										
CLASS I										
Diseases of blood.....	698	654	13	31	33	670	2	10	43	16,386
Anemias:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anemia, pernicious.....	5	4	.....	1	.....	3	.....	2	.....	150
Anemia, secondary.....	184	166	6	12	10	171	.....	1	14	3,687
Jaundice, hemolytic.....	3	2	1	.....	.....	2	.....	1	.....	117
Anemia, n. e. c.....	34	29	2	3	.....	29	.....	2	3	714
Leukemias:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acute.....	2	1	1	.....	.....	.....	1	.....	.....	190
Chronic.....	3	3	.....	.....	2	3	1	2	.....	375
Granulocytopenia, malignant.....	2	2	.....	.....	.....	2	.....	.....	.....	47
Purpuras, primary:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Purpura hemorrhagica.....	6	3	2	1	.....	6	.....	.....	.....	420
Purpura, primary, n. e. c.....	17	16	.....	1	1	16	.....	1	1	502
Mononucleosis, infectious.....	436	422	1	13	19	431	.....	.....	25	9,957
Other diseases of the class.....	6	6	.....	.....	1	7	.....	1	.....	227
CLASS II										
Diseases of circulatory system.....	1,141	835	232	74	87	986	2	160	57	23,982
Heart valves and endocardium:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of mitral valve.....	103	29	46	28	4	32	.....	64	9	4,137
Diseases of aortic valve.....	4	1	3	.....	.....	.....	.....	4	.....	229
Endocarditis, subacute bacterial.....	2	2	.....	.....	.....	.....	.....	.....	1	319
Diseases of heart valves and endocardium n. e. c.....	3	2	1	.....	.....	2	.....	.....	1	39
Coronary arteries:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coronary heart disease, arteriosclerotic.....	3	2	.....	1	.....	1	.....	1	.....	141
Thrombosis, coronary artery.....	.....	.....	.....	.....	.....	.....	.....	.....	1	52
Diseases of coronary arteries n. e. c. and angina pectoris.....	2	2	.....	.....	.....	1	.....	.....	1	39
Hypertensive heart disease.....	2	.....	1	1	.....	1	.....	.....	1	124
Myocarditis.....	20	6	7	7	.....	5	1	9	4	894
Pericarditis.....	4	3	.....	1	.....	4	.....	.....	.....	346

APPENDIX TABLE 3.—Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read- missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS II—Continued										
Disorders of function:										
Auricular fibrillation and flutter and heart block.....	4	4				3			1	36
Disorders of function n. e. c.....	89	70	17	2	9	79		9	8	1,770
Diseases of the heart n. e. c.....	8		7	1		1	1	5		204
Arteries:										
Cerebral embolism and thrombosis.....	3	3				3				111
Aneurysm, except of aorta.....	3		3			1		2		41
Arteriosclerosis.....	3	3				1			1	263
Hypertension, arterial.....	47	28	15	4	4	25		18	2	2,145
Diseases of arteries n. e. c.....	20	17	2	1		19		1	1	463
Veins:										
Varicose veins.....	253	163	82	8	6	237		8	10	3,855
Phlebitis.....	109	89	10	10	16	103		18	1	3,292
Diseases of veins n. e. c.....	18	13	2	3	1	16		1	2	644
Syncope.....	317	287	27	3	23	322		9	8	2,943
Angioneurotic edema.....	64	60	3	1	21	75		6	2	914
Neurocirculatory asthenia.....	23	18	3	2		19		4	1	527
Other diseases of the class.....	37	33	3	1	3	36		1	2	454
CLASS III										
Diseases of digestive system.....	11,318	10,879	330	109	249	11,083	10	117	306	128,124
Buccal cavity or adnexa, except teeth:										
Diseases of salivary glands.....	33	33			1	32			2	278
Diseases of buccal cavity or adnexa n. e. c.....	46	45		1		45				354
Diseases of esophagus.....	3	1	1	1		1		1		214
Ulcers of stomach or intestines:										
Ulcer, stomach.....	7	5	2		2	5		5		496
Ulcer, duodenum.....	73	58	12	3	13	60		24	3	4,484
Gastritis, enteritis, and colitis:										
Gastritis, acute.....	896	893	1	2	12	897			7	4,484
Gastroenteritis, acute.....	5,455	5,449	3	3	64	5,426		3	64	25,118
Acute enteritis and colitis, n. e. c.....	714	706	4	4	12	710			15	4,369
Gastritis, chronic.....	38	26	8	4	3	38		5		1,427
Colitis, ulcerative.....	13	9	3	1		5	1	7		1,095
Colitis, chronic.....	51	42	7	2	2	41		7	2	1,501
Chronic inflammation of stomach or intestines n. e. c.....	99	88	8	3		93		1	5	1,328
Appendicitis, acute and chronic.....	2,124	2,019	82	23	51	2,045	2	2	115	47,537
Functional digestive disturbances:										
Pylorospasm.....	60	55	4	1	4	60		3		765
Irritable colon.....	137	112	19	6	7	128		18	3	3,659
Constipation.....	241	219	19	3	5	240		2	9	2,065
Functional digestive disturbances n. e. c.....	148	137	8	3	8	143		3	9	1,995
Intestinal obstruction.....	58	37	8	13	4	48		6	9	2,038
Rectum or anus:										
Fissure or fistula in ano.....	163	137	15	11	7	156			11	3,289
Abscess, periproctical.....	77	74	2	1	3	74			5	1,216
Hemorrhoids.....	429	369	54	6	17	419		1	18	6,952
Diseases of rectum or anus n. e. c.....	17	14	2	1		15		1	2	356
Diseases of stomach or intestines n. e. c.....	27	18	5	4	2	26			3	1,138
Liver:										
Atrophy, yellow, acute.....	1	1						1		60
Hepatitis, acute.....	51	49		2	3	48	1		5	1,722
Diseases of liver n. e. c.....	2	1		1		1		1		115
Gallbladder or biliary ducts:										
Cholelithiasis.....	26	20	5	1	5	25		2	3	1,463
Cholecystitis without mention calculi.....	156	143	11	2	7	154			5	2,875
Diseases of gallbladder or biliary ducts n. e. c.....	5	4	1		1	4			1	96
Diseases of pancreas.....	3	3				3				64
Peritoneum:										
Peritonitis, acute.....	32	27	2	3		24	5		2	909
Abdominal adhesions and chronic peritonitis.....	117	71	43	3	14	101	1	23	7	4,080
Other diseases of the class.....	16	14	1	1	2	16		1	1	582

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS IV										
Diseases of ductless glands and spleen. (Endocrines).	390	262	111	17	30	318	2	58	32	13,710
Thyroid gland:										
Goiter, simple.	13	10	3		3	15		1		395
Goiter, adenomatous.	63	40	19	4	3	59		2	4	2,044
Goiter, exophthalmic.	12	11	1		1	9	1	2		906
Hyperthyroidism.	41	26	14	1	3	27		10	3	1,431
Hypothyroidism.	176	123	42	11	10	155		11	19	5,222
Myxedema.	3	2	1			2		1		90
Diseases of thyroid gland n. e. c.	7	7				6		1	1	176
Parathyroids: Hypoparathyroidism.	2		2			1		1		1
Diseases of pituitary gland.	13	7	6			7		5		443
Diseases of adrenal glands.	3	2	1			1	1			196
Diabetes mellitus.	21	11	10		4	8		13	2	1,270
Diseases of endocrine glands and spleen n. e. c.	36	23	12	1	6	28		11	3	1,536
CLASS V										
Diseases of ear, nose, and throat.	5,461	4,154	1,073	234	256	5,326	1	159	203	62,202
Ear—inflammatory diseases:										
Otitis media, acute.	928	867	3	58	27	914		1	32	8,670
Otitis media, chronic.	153	56	90	7	14	92		66	8	2,561
Otitis externa.	290	282	6	2	14	297		1	7	2,467
Aero-otitis media.	1	1				1				22
Myringitis.	21	21				20			1	105
Inflammatory diseases of ear n. e. c.	42	39	1	2	1	41			3	479
Ear—deafness:										
Unilateral.	28	18	9	1	1	15		12	1	669
Bilateral.	57	26	27	4	7	25		31	2	2,206
Diseases of ear n. e. c.	12	8	3	1		7		4	1	449
Accessory sinuses:										
Sinusitis, frontal.	315	304	11		11	317		1	5	2,503
Sinusitis, maxillary.	524	453	29	42	27	521		2	29	6,446
Mastoiditis, acute.	16	9	1	6		15			2	459
Mastoiditis, chronic.	11	4	5	2	2	7		3	1	407
Sinusitis, n. e. c.	174	153	12	9	5	167		4	7	2,234
Nose:										
Deviation, nasal septum.	104	45	55	4	4	103			5	1,562
Diseases of nose or nasal fossae n. e. c.	94	45	46	3	8	63		33	6	1,742
Mouth or pharynx:										
Angina, Ludwig's.	5	5				4	1			189
Tonsillitis, chronic.	2,380	1,544	764	72	127	2,418			81	25,006
Abscess, peritonsillar.	168	154		14	5	162			8	1,841
Diseases and conditions of pharynx n. e. c.	71	61	5	5	1	69		1	1	845
Larynx:										
Laryngitis, chronic.	56	52	3	1	2	58			2	1,222
Diseases of larynx n. e. c.	5	3	1	1		4			1	51
Other diseases of the class.	6	4	2			6				67
CLASS VI										
Diseases of eye and adnexa.	845	699	123	23	50	769		82	35	13,283
Optic nerve or retina:										
Detachment, retina.	4	3		1		1		2		525
Optic neuritis and retinitis.	32	28	4			27		2	1	1,012
Uveal tract:										
Choroiditis.	14	11	3		2	7		3	1	535
Iritis.	32	27	2	3	2	31			3	887
Uveitis, n. e. c.	36	29	6	1	3	29		3	5	1,572
Glaucoma.	2	2				1				32
Diseases of uveal tract n. e. c.	2	1		1		2				43
Lens or aqueous and vitreous humors:										
Cataract.	8	3	4	1	2	5		4		272
Diseases and conditions of lens or humors n. e. c.	6	3	1	2	1	3		3	1	281
Sclera or cornea:										
Keratoconjunctivitis, epidemic.	5	5			1	6				68
Ulcer, cornea.	56	52	2	2	6	59		1	2	742
Keratitis and scleritis n. e. c.	43	40	1	2	1	39		3	1	586
Opacity, cornea.	3	1	1	1		1		2		114
Conjunctiva:										
Conjunctivitis, n. e. c.	341	333	5	3	10	343			8	1,960
Pterygium.	13	10	2	1		13				125

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Readmissions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS VI—Continued										
Eyelids:										
Chalazion.....	22	22				22				7
Hordeolum.....	39	39			1	39			1	143
Blepharitis.....	16	14		2	2	18				155
Diseases and conditions of eyelids n. e. c.....	2	2				2				47
Lacrimal glands or ducts:										
Dacryocystitis.....	11	11			4	17				146
Diseases and conditions of lacrimal glands or ducts n. e. c.....	4	3	1			4				30
Extraocular muscles:										
Ophthalmoplegia.....	3	3				2			1	29
Insufficiency and paralysis of extraocular muscles n. e. c.....	48	17	29	2	9	42		11	4	1,703
Disorders of vision, except refractive errors:										
Amblyopia.....	14	4	9	1	2	5		10	2	423
Hemianopsia.....	2	2				1		1		116
Color blindness.....	2		2			1		1		
Refractive errors:										
Astigmatism, all types.....	39	18	21		4	27		15	2	883
Myopia.....	36	8	28			13		20	3	656
Errors of refraction n. e. c.....	3	1	2			2		1		52
Other diseases of the class.....	7	7				7				72
CLASS VII										
Diseases of genito-urinary system (nonvenereal).....	1,611	1,488	89	34	80	1,564	1	38	79	23,527
Kidneys or ureters, except calculi:										
Nephritis.....	48	36	7	5	3	40	1	6	3	1,470
Nephrosis.....	2	2				2				21
Abscess, perinephritic.....	1	1				1				
Pyelitis.....	529	509	10	10	19	521		2	21	6,543
Pyelonephritis and pyonephrosis.....	52	51	1		2	50			4	870
Hydronephrosis.....	15	10	3	2	3	14		5	1	877
Albuminuria and hematuria.....	72	60	9	3		55		4	10	1,099
Diseases and conditions of kidneys or ureters n. e. c.....	72	55	10	7	11	69		8	5	2,385
Calculi:										
Kidneys or ureters.....	154	136	13	5	12	156		3	6	2,684
Other parts of urinary passages.....	6	6				6				49
Bladder:										
Cystitis.....	585	570	14	1	26	581		4	26	5,936
Diseases of bladder n. e. c.....	8	5	3		3	7		4		416
Urethra:										
Urethritis, acute.....	24	22	2			23			1	297
Stricture, urethra.....	2	1	1			2				22
Diseases of urethra n. e. c.....	13	9	4		1	12		1	1	312
Other diseases of the class.....	28	15	12	1		25		1	1	546
CLASS VIII										
Communicable diseases transmissible by oral and nasal discharges.....	42,352	42,107	28	217	461	41,487	15	5	924	288,956
(A) Diseases classes as communicable in standard health department practice.....	6,219	6,080	2	137	57	5,989	14	4	249	86,554
Cerebrospinal fever, meningococcic.....	20	20				17	2			703
Chickenpox.....	83	82		1	2	81			2	1,214
Diphtheria.....	19	19				18			1	368
Encephalitis, lethargic.....	1	1				2				48
German measles.....	2,227	2,216	11		12	2,197		1	46	14,531
Influenza.....	454	453	1		2	424			18	3,073
Measles.....	629	623	6		1	603			26	6,009
Mumps.....	623	616	7		4	601			27	8,465
Pneumonia, broncho.....	194	171	23		5	189	4		14	4,936
Pneumonia, lobar.....	213	202	11		5	198			12	5,341
Pneumonia, primary, atypical, etiology unknown.....	937	887	1	49	11	898	5		42	23,728
Poliomyelitis, anterior, acute.....	15	13		2		8	1	3	4	1,726
Scarlet fever.....	591	565	26		11	548			48	14,514
Septic sore throat.....	200	199	1		3	193	2		7	1,672
Whooping cough.....	9	9				8			1	160
Other diseases of the class (A).....	4	4				4			1	66

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued CLASS VIII—Continued (B) Common infectious diseases of the respiratory type.....	36,133	36,027	26	80	404	35,498	1	1	675	202,402
Angina, Vincent's.....	925	916	1	8	13	920			14	5,877
Bronchitis, acute.....	2,197	2,178	4	15	44	2,145		1	67	17,602
Catarrhal fever, acute.....	22,278	22,259	3	16	184	21,822			353	116,319
Laryngitis, acute.....	1,405	1,398		7	19	1,393			22	7,589
Pharyngitis, acute.....	4,166	4,152	2	12	47	4,107	1		92	23,153
Rhinitis, acute.....	377	376		1	3	376			4	1,610
Tonsillitis, acute.....	4,494	4,461	15	18	85	4,453			109	28,111
Tracheitis, acute.....	173	171	1	1	5	172			5	946
Tracheobronchitis, acute.....	115	113		2	3	106			9	1,138
Other disease of the class (B).....	3	3			1	4				57
CLASS IX Communicable diseases transmissible by intestinal discharges.....	25	25				24			1	545
Dysentery, bacillary.....	16	16				17				217
Paratyphoid fever.....	5	5				4				104
Typhoid fever.....	4	4				3			1	224
CLASS X Communicable diseases transmissible by insects and other arthropods.....	85	83	1	1	33	113		1	3	2,315
Malaria:										
Malaria, benign tertian.....	45	43	1	1	22	63			3	985
Malaria, malignant tertian.....	4	4			4	8				138
Malaria, n. e. c.....	5	5			5	10				95
Dengue.....	17	17				17				465
Filariasis.....					1	1				6
Tularemia.....	1	1				1				17
Rickettsial diseases:										
Typhus, scrub.....	1	1				1				109
Typhus, other.....	10	10				10				492
Other diseases of the class.....	2	2			1	2		1		8
CLASS XI Tuberculosis, all forms.....	423	153	248	22	34	106	4	281	15	31,448
Tuberculosis, pulmonary, primary, active.....	6	5	1							527
Tuberculosis, pulmonary, primary, apparently healed.....	3		3			3				182
Tuberculosis, pulmonary, reinfection, active.....	165	99	55	11	11	28	1	94	10	21,131
Tuberculosis, pulmonary, reinfection, arrested.....	229	36	185	8	23	70		179	4	6,918
Tuberculosis, n. e. c.....	20	13	4	3		5	3	8	1	2,690
CLASS XII Venereal diseases.....	796	632	116	48	61	758		10	89	14,611
Gonorrheal infections:										
Gonococcus infection, joint.....	3	3				3			1	138
Gonococcus infection, conjunctiva.....	1	1				2				25
Gonococcus infection, n. e. c.....	619	538	47	34	50	591		5	75	10,195
Syphilis:										
Syphilis, early.....	58	45	11	2	5	50		2	8	1,448
Syphilis, latent.....	88	27	55	6	4	87		1	2	1,961
Syphilis of central nervous system n. e. c.....	3	2	1		1	3		1		244
Syphilis, n. e. c.....	22	14	2	6	1	20		1	3	578
Chancroid and chancroidal lymphadenitis.....	2	2				2				22
CLASS XIII Other diseases of the infectious type.....	3,819	3,703	46	70	151	3,718	1	70	135	67,119
Infections, localized:										
Abscess.....	591	564	14	13	37	598		2	21	8,070
Carbuncle and furuncle.....	769	765	2	2	40	798			9	5,324
Cellulitis.....	1,767	1,746	6	15	38	1,763	1	2	32	11,515
Focal infection.....	5	4	1			5				34
Food poisoning:										
Food infection.....	5	5				5				54
Food poisoning, bacterial.....	98	98				98				319
Food intoxication, n. e. c.....	36	36				34			2	132

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read- missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XIII—Continued										
Dysentery, n. e. c.	12	12				12				58
Erysipelas	13	13			2	15				284
Jaundice, acute infectious	128	124		4	3	119			9	3,856
Rheumatic fever	237	188	20	29	28	141		60	46	31,887
Septicemia and pyemia	24	20		4		19			5	920
Undulant fever	14	11	1	2	2	6		2	2	1,349
Vaccinia	42	42				42				149
Fever, cause undetermined	73	71	1	1	1	59		4	9	3,106
Other diseases of the class	5	4	1			4				62
CLASS XIV										
Diseases of lymphatic sys- tem	464	449	9	6	18	454	1	9	10	5,979
Hodgkin's disease	4	3	1			1		2		542
Lymphadenitis and lymphangitis	449	439	4	6	15	445		2	9	5,100
Lymphangiectasis	2	2				2				12
Other diseases of the class	9	5	4		3	6	1	5	1	325
CLASS XV										
Diseases of mind	2,211	765	1,326	120	100	622	1	1,626	65	121,193
Psychotic conditions:										
Schizophrenia (dementia prae- cox)	204	89	109	6	5	34	1	153	3	23,389
Psychosis, manic-depressive	85	31	50	4	5	13		73	3	7,716
Reactive depression	41	28	5	8	1	15		18	4	1,851
Paranoia and paranoid state	10	4	6			2		7	1	730
Psychosis with tabes dorsalis	1			1				1		9
Psychosis with mental defi- ciency	1		1					1		53
Psychosis, n. e. c.	64	32	26	6	6	15		38	4	6,114
Psychoneuroses:										
Psychoneurosis, hysteria	261	136	116	9	23	127		152	8	11,459
Psychoneurosis, anxiety	314	101	195	18	12	80		241	9	12,921
Psychoneurosis, neurasthenia	71	21	49	1	9	35		44	3	2,972
Psychoneurosis, obsessive- compulsive	12	3	9			4		8		387
Psychoneurosis, n. e. c.	540	198	314	28	20	177		389	13	24,465
Psychopathic personality	555	101	415	39	17	94		474	16	26,901
Mental deficiency	4		4			1		3		161
Speech disorder	1		1			1				74
Alcoholism, chronic	2		2			2				136
Enuresis	9		9			5		3		264
Other diseases of the class	36	21	15		2	17		21	1	1,591
CLASS XVI										
Diseases of motor system	2,401	1,956	351	94	139	2,101		273	130	62,809
Bones or cartilage:										
Osteomyelitis	21	10	7	4	3	20		4	1	818
Osteochondritis deformans	2		2					3		42
Osteochondritis dissecans	10	4	5	1	2	7		5		432
Periostitis, nontraumatic	17	16	1		1	17		1		358
Spur, bone	20	11	9		1	20			1	407
Diseases and conditions of bone or cartilage n. e. c.	27	20	6	1	1	24		2	2	719
Joints:										
Arthritis, acute	230	212	7	11	17	199		11	34	8,691
Arthritis, chronic	227	139	58	30	23	141		92	11	13,182
Arthritis deformans	6	4	2			4		1	1	228
Ankylosis	1					1				59
Joint, internal derangement of	85	57	21	7	5	66		15	3	3,650
Loose body in joint	3	3	1	1		3		2		113
Spondylitis	6	5	1			4			1	106
Diseases of joints n. e. c.	49	40	9		4	46		5	2	1,185
Muscles, tendons, or fascia:										
Myositis, acute and chronic	934	882	42	10	32	904		27	30	13,799
Rheumatism, muscular	60	45	7	8	2	49		11	2	2,171
Contracture	7	4	3		2	7		2		219
Hernia, muscle, fascia, or ten- don sheath	3	3			2	3		1	1	146
Bursitis	177	161	11	5	9	165		4	13	3,737
Synovitis, nontraumatic	85	74	5	6		68		8	6	1,911
Tenosynovitis	79	72	4	3	6	76		5	2	1,309
Ganglion, tendon sheath	92	82	9	1	4	86		1	6	1,352
Flatfoot	85	26	56	3	9	44		42	5	2,387
Diseases and conditions of muscles, tendons, or fascia n. e. c.	8	8				8				59

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XVI—Continued										
Deformities of motor system n. e. c.	138	57	78	3	11	114		28	8	4,460
Other diseases of the class	27	20	7		5	25		3	1	1,269
CLASS XVII										
Diseases of nervous system	812	597	181	34	69	618		195	44	28,790
Brain:										
Abscess, brain	3	1		2					3	8
Encephalitis, acute, nonlethargic	7	6	1		3	6		1	2	370
Encephalitis, chronic, nonlethargic	5	2	2	1		3		1		175
Hemorrhage, brain	4	4				2		1		587
Hemiplegia, old	1		1		1	1			1	28
Paralysis agitans	1	1				1				27
Athetosis and chorea (except Huntington's)	1	1				1				13
Epilepsy	79	23	53	3	12	13		76	1	4,522
Epilepsy, jacksonian	2		2					1		129
Diseases and conditions of brain n. e. c.	25	18	7		1	22		3	1	720
Meninges:										
Choriomeningitis, benign lymphocytic	11	10		1		12				352
Meningitis, except meningococcic	20	18		2		17			4	589
Spinal cord:										
Poliomyelitis, anterior, chronic	5	3		2		2		1	1	317
Sclerosis, amyotrophic lateral	1	1						1		33
Sclerosis, disseminated	15	10	2	3	1	7		5	1	1,321
Myelitis	2	1		1		1		1		266
Diseases of spinal cord n. e. c.	1	1				1				30
Peripheral nerves:										
Paralysis, nerve	38	33	3	2	4	32		6		2,104
Neuritis	198	182	10	6	12	179		10	11	5,287
Neuralgia	125	119	4	2	4	120		5	5	3,198
Diseases of peripheral nerves n. e. c.	5	2	3		1	2		3	1	300
Migraine	230	137	88	5	29	177		69	7	7,016
Dystrophy, progressive muscular					1			1		92
Other diseases of the class	33	24	5	4		19		10	4	1,306
CLASS XVIII										
Diseases of respiratory system	1,135	910	168	57	93	995		142	70	32,391
Trachea or bronchi:										
Bronchiectasis	21	13	4	4	3	10		14		1,164
Chronic inflammation of trachea or bronchi n. e. c.	228	194	30	4	20	221		14	11	4,102
Diseases and conditions of trachea or bronchi n. e. c.	4	3		1	1	2		1	2	427
Lungs:										
Atelectasis	3	2		1		2			1	135
Emphysema, pulmonary	1		1					1		53
Pneumonitis, acute	234	221		13	3	217			16	5,487
Pneumonia, n. e. c.	16	12	1	3		14			1	688
Pneumoconiosis, n. e. c.	1	1				1				13
Diseases and conditions of lungs n. e. c.	1	1			1	1		1		93
Pleura:										
Empyema	4	3		1		4				494
Pleurisy, fibrinous, acute	187	185	1	1	1	170		2	9	2,937
Pleurisy with effusion	73	62		11	1	58		5	8	4,786
Pleurisy, fibrinous, chronic	23	14	5	4	3	20		4	2	1,219
Pneumothorax	4	4			1	5				143
Allergic:										
Asthma	240	137	91	12	52	189		88	12	8,393
Hay fever	77	40	35	2	7	66		11	7	1,549
Other diseases of the class	18	18				15		1	1	708
CLASS XIX										
Diseases of skin, hair, and nails	2,418	2,219	162	37	125	2,372	1	65	85	35,542
Skin:										
Acne	53	36	15	2	2	48		2	3	1,256
Callosity	31	27	3	1	2	28		1	3	448
Cicatrix, skin	39	21	14	4	4	36		4	1	2,031
Dermatitis seborrheica	42	37	5		1	37		1		1,257

APPENDIX TABLE 3.—Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XIX—Continued										
Skin—Continued										
Dermatitis venenata.....	647	634	6	7	26	662		1	8	7,239
Dermatitis, industrial.....	6	5	1			6				39
Eczema.....	83	64	17	2	23	87		15		2,858
Dermatitis, n. e. c.....	224	208	15	1	14	222		7	11	3,584
Erythema.....	159	153	2	4	11	154		3	14	3,222
Herpes.....	58	56	1	1	2	59			1	382
Herpes zoster.....	61	60		1		58			3	662
Impetigo.....	139	139			6	140		1	4	1,403
Lichen planus.....	7	4	2	1		6		1	1	499
Lupus erythematosus.....	9	6	3			4	1	4		304
Pemphigus.....	2	2				2				25
Pityriasis rosea.....	57	56		1	1	56			1	427
Prickly heat.....	14	14				14				79
Pruritus.....	40	37	1	2	4	40			2	808
Psoriasis.....	33	20	11	2		21		10	2	921
Sycosis.....	2	2				2				31
Ulcer, skin.....	9	8		1		8			1	225
Urticaria.....	336	321	14	1	10	316		9	17	3,256
Diseases and conditions of skin n. e. c.....	117	89	24	4	4	114		3	4	1,646
Hair and nails:										
Folliculitis.....	18	17		1	1	19				126
Ingrowing nail.....	176	151	24	1	12	179			8	1,851
Onychia.....	36	36			2	37				276
Diseases and conditions of hair and nails n. e. c.....	4	3	1			3		1		66
Other diseases of the class.....	16	13	3			14		3	1	621
CLASS XX										
Herniae.....	132	96	32	4	2	107		10	15	5,830
Hernia, diaphragmatic.....	2		2					2		323
Hernia, femoral.....	11	8	2	1		10			1	2,368
Hernia, inguinal.....	73	55	18		1	64		1	8	397
Hernia, ventral.....	10	9	1			7		2	2	161
Hernia, recurrent, after operation..	5	4	1			5				64
Hernia, strangulated.....	1		1			1				2,517
Hernia, intervertebral disc.....	30	20	7	3	1	20		5	4	
CLASS XXI										
Miscellaneous diseases and conditions.....	7,636	6,628	613	395	254	6,658		458	352	135,365
Absence, acquired:										165
Eye(s).....	1			1						326
Foot (feet), leg(s), or lower ex- tremity (ies).....	1			1						3
Finger(s).....	1			3		1				112
Toe(s).....	5	1	1	7		3		2		369
All other.....	10	1	2	7	1	8		3		
Other deformities:										15
Absence, congenital.....	1		1		1				2	4,493
Deformity, acquired.....	104	40	44	20	11	67		38	6	5,544
Deformity, congenital.....	150		150		11	89		62	8	520
Atrophy.....	11	5	5	1	1	5		5	1	66
Defective physical development.....	2	1	1			2				103
Foreign body, nontraumatic.....	17	17			1	18				
Other surgical conditions:										1,096
Adhesions.....	31	18	10	3		21		7	2	319
Calculus, n. e. c.....	20	13	7			15		5		130
Diverticulum.....	3	3				1		1		56
Fistula, n. e. c.....	4	4				4				37
Gangrene, n. e. c.....	1		1						1	997
Hemorrhage, n. e. c.....	63	54	1	8	4	59			5	695
Rupture, nontraumatic.....	41	37	4			33		5	2	108
Sinus.....	8	6	2			8				481
Ulcer, n. e. c.....	27	24	2	1		26		1		
Medical and NP conditions:										3,302
Allergy.....	178	143	34	1	10	156		27	3	890
Anaphylaxis and serum sick- ness.....	266	265		1	1	266			2	1,187
Anti-inoculation.....	354	354			1	352			7	167
Motion sickness.....	28	27		1	1	28			1	4
Shock.....	2	2				2				918
Vertigo.....	76	74	2		4	73		1	5	
Nutritional diseases and avita- minosis.....	47	41	3	3	7	40		2	10	1,807
Asthenia, postinfective and postsurgical.....	26	19		7	1	20		2	4	871
Headache.....	395	340	53	2	13	346		29	34	6,335

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XXI—Continued										
Medical and NP conditions—Cont.										
Fatigue, operational.....	138	136	1	1	5	139			2	1,673
Alcoholism.....	57	57			2	52			8	223
Drug addiction.....	3	2	1			1		1		84
No disease.....	5,259	4,679	259	321	157	4,664		260	235	96,709
Observation for aptitude.....	821	603	190	28	51	658		179	41	26,986
Medical observation.....	3,727	3,655	45	27	65	3,495		1	82	49,167
Communicable disease contact.....	32	32			1	35				233
Convalescent leave.....	179	17		162	24	72			98	4,990
Unsuited for further useful service.....	263	215	15	33	8	178		75	8	13,009
All other conditions.....	237	157	9	71	8	226		5	6	3,224
Diagnosis undetermined.....	146	145	1		4	2			1	2,363
Other diseases and conditions of the class.....	160	120	29	11	18	157		7	13	3,197
CLASS XXII										
Parasitic diseases (fungi and certain animal parasites).....	905	870	22	13	60	935		2	23	12,080
Mycoses:										
Dermatophytosis.....	527	511	11	5	51	563		2	9	8,592
Mycosis, n. e. c.....	2	2				2				35
Protozoiasis:										
Amebiasis.....	21	18	2	1	1	21			1	549
Flagellate infection, intestinal.....	6	6				6				57
Helminthiasis:										
Ascariasis.....	2	2				2				12
Hookworm disease.....	7	3	3	1	1	8				117
Teniasis.....	6	4	2		1	7				60
Trichinosis.....	1	1				1				6
Helminthiasis n. e. c.....	9	9				9				145
Arthropod infestations:										
Pediculosis.....	23	22		1		20			3	150
Scabies.....	288	281	3	4	4	281			9	2,022
Arthropod infestation n. e. c.....	1	1				1				2
Other diseases of the class.....	12	10	1	1	2	14			1	333
CLASS XXIII										
Tumors.....	2,088	1,300	726	62	120	1,945	6	118	107	52,266
Benign.....	1,997	1,234	704	59	112	1,883		99	100	45,792
Adenoma.....	27	18	8	1		22		2	1	830
Fibroadenoma.....	97	78	18	1	5	95		4	2	1,373
Teratoma, n. e. c.....	1	1				2				47
Tumor, mixed, benign.....	41	29	11	1	1	36		4	2	1,369
Cyst, retention.....	125	102	18	5	6	123		2	5	2,219
Cyst, teratoma.....	380		380		39	392		3	15	10,374
Cyst, n. e. c.....	866	668	166	32	44	809		50	41	20,338
Wart.....	118	108	8	2	6	111		1	9	1,777
Epithelial, n. e. c.....	25	15	8	2		24			1	657
Bone or cartilage.....	16	11			2	21		6	3	731
Fat tissue.....	49	39	7	3	1	45			4	828
Muscular.....	59	29	26	4	1	38		20	3	1,548
Nerve tissue.....	15	13	2			14		1		293
Vascular.....	47	26	18	3	1	44			4	685
Connective tissue, n. e. c.....	95	69	21	5	4	81		6	10	2,459
Miscellaneous tumors.....	25	23	2		1	26				264
Malignant.....	79	62	15	2	7	55	6	14	6	6,327
Adenocarcinoma.....	7	6	1			5	1	1		1,081
Carcinoma.....	11	10	1		4	8	3	4		1,916
Hypernephroma.....	1	1				1				32
Myeloma, multiple.....	1	1				1				40
Lymphoma.....	1	1				1				19
Lymphosarcoma.....	1	1						1		31
Tumor, mixed, malignant.....	3	2	1		1	1		1		313
Epithelial, n. e. c.....	16	12	4		1	12	1	2		1,190
Nerve tissue.....	3	3				2				336
Connective tissue, n. e. c.....	5	5				3		2		273
Tumor, mixed, n. e. c.....	30	20	8	2	1	21	1	3	6	1,096
Other: Unspecified as to benign or malignant.....	12	4	7	1	1	7		5	1	147
CLASS XXIV										
Female diseases and conditions.....	11,105	9,997	831	277	552	10,530	2	657	407	131,897
Ovaries or fallopian tubes, except malpositions:										
Salpingitis, acute and chronic.....	1,048	776	243	29	126	918		178	79	25,230

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period					Dispositions during the period				Sick days
	New cases				Read- missions	D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
DISEASES—Continued										
CLASS XXIV—Continued										
Ovaries or fallopian tubes, except malpositions—Continued										
Oophoritis, acute and chronic...	190	175	11	4	16	192		6	4	2,391
Rupture of graafian follicle...	118	113	2	3	2	116			5	1,143
Diseases and conditions of ovaries or fallopian tubes n. e. c.	11	9	2			9			1	372
Fundus uteri:										
Endometritis and metritis...	78	67	7	4	5	72		2	8	1,812
Diseases and conditions of fundus uteri n. e. c.	17	12	3	2	2	18				171
Cervix uteri and vagina:										
Endocervicitis and vaginitis (nonvenereal)	582	511	52	19	27	573		8	26	10,323
Diseases and conditions of cervix and vagina n. e. c.	24	19	4	1	2	25			1	671
External genitalia:										
Vulvitis, nonvenereal	34	32	1	1	2	33			2	316
Diseases and conditions of external genitalia n. e. c.	10	8	1	1		9		1		170
Malpositions and disorders of supporting structures:										
Displacement of internal genital organs	193	109	79	5	10	165		22	17	4,917
Cystocele, rectocele, and relaxation of pelvic floor	6	2	4		1	7		1		173
Functional disorders:										
Amenorrhea	160	142	14	4	15	150		5	21	2,525
Dysmenorrhea	1,486	1,317	165	4	100	1,469		77	33	10,612
Menorrhagia and metrorrhagia	1,629	1,532	81	16	146	1,602		47	106	24,591
Functional disorders n. e. c.	147	91	50	6	8	93		54	4	4,351
Breast:										
Mastitis, acute and chronic...	99	84	12	3	6	91		4	3	1,513
Diseases and conditions of breast n. e. c.	2	2				2				34
Obstetrical conditions:										
Pregnancy	4,462	4,289	50	123	59	4,243	1	202	59	24,953
Abortion	395	356		39	10	377	1	20	11	7,046
Toxemia of pregnancy	6	6				6				68
Other diseases of the class	408	345	50	13	15	360		30	27	8,515
CLASS XXVII										
Dental diseases and conditions	1,496	1,173	297	26	28	1,477		7	40	8,989
Diseases and conditions of enamel, dentin, cementum, and pulp:										
Caries, teeth	11	10	1			10		1		104
Hypercementosis	3	3				3				26
Pulpitis	8	8				7			1	74
Diseases and conditions of the periodontal and gingival tissues:										
Abscess, periodontal	75	74		1		75			1	462
Gingivitis, Vincent's	135	132	1	2	1	132			5	884
Gingivitis, n. e. c.	20	20			2	22				102
Paradentosis	25	24	1		2	23		1	3	471
Periodontitis	8	8				8				36
Periapical diseases and their sequelae:										
Abscess, dentoalveolar, acute...	135	130	1	4	2	137			1	776
Abscess, periapical	106	100	1	5	2	102		1	5	566
Diseases and conditions of the soft tissues of the oral cavity:										
Abscess, pericoronal	13	12		1		13				65
Abscess, pterygomandibular	1	1				1				9
Herpes, oral	1	1				1				7
Infection, Vincent's, oral, generalized	5	5				5				30
Developmental abnormalities of the teeth:										
Malocclusion	2		2			1		1		57
Malposition, tooth (teeth)	5	3	2			5				240
Tooth, impacted	439	187	251	1	9	446			3	1,868
Tooth, unerupted	65	40	25		1	63			2	269
Miscellaneous dental diseases and conditions:										
Absence, acquired, tooth (teeth)	363	343	11	9	9	352		3	14	2,485
Infection, dental, residual	7	6	1			6				30
Infection, focal, teeth	18	18				17			2	189
Odontalgia	15	15				13			1	100
Odontorrhagia	21	20		1		20			1	139
Other diseases of the class	15	13		2		15			1	

APPENDIX TABLE 3.—Diseases and noncombat injuries by manner of admission and disposition from the sick list,
Navy and Marine Corps female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Diagnoses assigned during the period				Dispositions during the period				Sick days	
	New cases				Read- missions	D	DD	IS		Other
	Total	A	EPTE	ACD/AD						
INJURIES										
CLASS XXV										
Injuries.....	6,240	6,062	92	86	249	6,026	85	68	218	105,426
Abrasion and contusion.....	1,469	1,461		8	41	1,468		1	38	11,881
Head or face.....	211	210		1	3	208			4	1,306
Eye(s).....	17	17			1	18		1		123
Thorax or back.....	190	189		1	6	190			6	1,928
Abdomen.....	26	26				24			1	215
Genital organs.....	2	2			1	3				27
Buttock(s).....	46	46			1	47				378
Upper extremity(ies).....	122	121		1	2	118			4	732
Lower extremity(ies).....	474	473		1	16	484			8	3,263
Combinations of parts listed above.....	328	324		4	7	322			12	3,406
All parts n. e. c.....	53	53			4	54			3	503
Burn (exclusive of chemical, rad- ium, X-ray, or ultraviolet).....	155	153	1	1	2	142	7		4	2,489
Head or face.....	9	8	1			8			1	44
Eye(s).....	5	5				5				14
Thorax or back.....	4	4				4				39
Buttock(s).....	1	1			1	1				5
Upper extremity(ies).....	31	31			1	30	1		1	207
Lower extremity(ies).....	55	54		1	1	51			2	907
Combinations of parts listed above.....	47	47				40	6			1,247
All parts n. e. c.....	3	3				3				26
Dislocation, simple and compound.....	96	92	1	3	6	85			11	3,438
Vertebral.....	11	9		2	1	8			1	654
Hip(s).....	3	3				1			1	102
Shoulder(s).....	23	23			2	23			1	383
Knee(s).....	13	13			1	12			1	663
Ankle(s).....	4	4				4				199
Elbow(s).....	14	14			1	13			2	491
Wrist(s).....	6	6				6				80
Finger(s).....	4	4				4				123
Jaw(s).....	3	3				2			1	22
All joints n. e. c.....	15	13	1	1	1	12			4	721
Dislocation, articular cartilage, knee.....	27	20	7		6	31		1		1,232
Sprain, joint.....	1,467	1,441	17	9	65	1,499	7		23	13,849
Ankle(s).....	871	870	1		27	896			6	5,034
Knee(s).....	180	176	2	2	13	185		1	6	2,904
Elbow(s).....	21	21				21				78
Wrist(s).....	38	38			2	37			2	389
All joints n. e. c.....	357	336	14	7	23	360	6		9	5,444
Other joint injuries.....	66	44	20	2	6	57	14		1	2,340
Hip(s).....	1	1				1				70
Shoulder(s).....	12	4	7	1	2	10		4		634
Knee(s).....	45	33	11	1	2	38		9	1	1,287
Ankle(s).....					1	1				22
Finger(s).....	1	1				1				3
Jaw(s).....	2	1	1			2				161
All joints n. e. c.....	5	4	1		1	4		1		163
Foreign body, traumatic.....	35	29	5	1	1	33			3	280
Eye(s).....	12	12				10			2	54
Throat or lung(s).....	3	3				3				20
Digestive tract.....	5	4		1		5				60
Head.....	1	1				1				8
Abdomen.....					1	1				9
Upper extremity(ies).....	5	2	3			5				57
Lower extremity(ies).....	6	4	2			6				47
All parts n. e. c.....	3	3			2	2			1	25
Fracture, compound.....	45	40		5	2	29	3	1	10	3,159
Skull.....	13	10		3		6	2	1	4	841
Vertebra(e).....	1	1				1				132
Pelvis.....	1	1				1				91
Lower leg(s) or ankle(s).....	5	5				3			1	685
Forearm(s) or wrist(s).....	3	3				3				120
Foot (feet) or toe(s).....	1	1			1	2				11
Hand(s) or finger(s).....	12	12			1	12			1	350
Combinations of bones listed above.....	9	7		2		1	1		4	929
Fracture, simple.....	1,133	1,104	11	18	55	1,094	4	11	50	40,900
Skull.....	82	77	3	2	3	74	3		4	2,087
Vertebra(e).....	81	74	3	4	7	67		7	8	5,199
Pelvis.....	20	19		1		18			1	1,383
Femur(s) or patella(e).....	16	16			1	13				1,250
Lower leg(s) or ankle(s).....	169	167	1	1	13	165	1		6	7,533
Upper arm(s), elbow(s), or shoulder(s).....	74	72	1	1	3	69		1	2	4,126
Forearm(s) or wrist(s).....	203	197	1	5	5	198			10	5,759
Foot (feet) or toe(s).....	287	284	1	2	16	298			7	5,850
Hand(s) or finger(s).....	93	92	1		4	92		1	1	1,036
Combinations of bones listed above.....	52	52				48		1	3	4,405
All bones n. e. c.....	56	54		2	3	52		1	7	2,272

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
INJURIES—Continued										
CLASS XXV—Continued										
Fracture, faulty union of.....	21	3	8	10		12		6	2	1,870
Vertebra(e).....	2	1	1			1			1	128
Femur(s) or patella(e).....	1		1					1		29
Lower leg(s) or ankle(s).....	4		2	2		1		1	1	750
Upper arm(s), elbow(s), or shoulder(s).....	3		1	2		2		1		535
Forearm(s) or wrist(s).....	4		1	3		3		1		181
Foot (feet) or toe(s).....	3	1		2		2		1		41
Hand(s) or finger(s).....	2	1	1			2				9
Combinations of bones listed above.....	2		1	1		1		1		197
Amputation, traumatic.....	8	8			2	5		4		938
Between ankle(s) and knee(s).....	1	1						1		213
Between knee(s) and hip(s).....								1		189
Finger(s).....	7	7			2	5		2	3	536
Rupture, traumatic.....	23	18	3	2	2	19	1	2	3	823
Tympanum(s).....	4	4				3			1	20
Liver.....	1	1					1			
Muscle(s), cartilage(s), or ligament(s).....	14	10	2	2	1	12		2	2	651
Sites n. e. c.....	4	3	1		1	4				152
Strain, muscular.....	385	366	13	6	16	383		4	10	3,721
Back.....	162	156	5	1	10	162		2	5	1,592
Abdomen.....	21	20		1		21				106
Extremities.....	85	81	4		2	84			3	681
Combinations of muscles listed above.....	4	4				4				65
Muscle(s) n. e. c.....	113	105	4	4	4	112		2	2	1,277
Wound, incised.....	16	16				15			1	101
Head or face.....	3	3				3				18
Upper extremity(ies).....	8	8				7			1	59
Lower extremity(ies).....	3	3				3				16
Combinations of parts listed above.....	2	2				2				8
Wound, infected.....	41	36	1	4	2	41			1	575
Thorax or back.....	1			1						68
Abdomen.....	1			1		1				22
Upper extremity(ies).....	16	14	1	1		16				281
Lower extremity(ies).....	23	22		1	2	24			1	204
Wound, lacerated.....	413	408		5	12	392			24	4,948
Head or face.....	164	162		2	3	151			11	1,267
Eye(s).....	12	12				9			2	72
Thorax or back.....	3	3				2			1	113
Abdomen.....	3	3				3				86
Genital organs.....	7	7				7				71
Buttock(s).....	3	3			1	4				27
Upper extremity(ies).....	65	65			4	63			4	1,179
Lower extremity(ies).....	123	120		3	4	123			4	1,492
Combinations of parts listed above.....	25	25				24				531
All parts n. e. c.....	8	8				6			2	110
Wound, punctured.....	35	35			1	34			2	179
Head or face.....	1	1				1				2
Eye(s).....	1	1				1				2
Thorax or back.....	1	1				1				5
Buttock(s).....	1	1				1				3
Upper extremity(ies).....	10	10			1	9			2	55
Lower extremity(ies).....	21	21				21				112
Wound, fragment.....	6	6				3			3	195
Upper extremity(ies).....	1	1							1	78
Lower extremity(ies).....	4	4				3			1	57
Combinations of parts listed above.....	1	1							1	60
Wound, gunshot.....	12	11		1		5	4		3	343
Head or face.....	2	2				1			1	40
Viscera.....	1			1				1		
Abdomen.....	2	2				1	2			
Upper extremity(ies).....	1	1				1				4
Lower extremity(ies).....	5	5				3			2	299
Combinations of parts listed above.....	1	1					1			
Wounds, multiple.....	36	36				30	1		3	907
Asphyxiation.....	4	4				2	2			3
Avulsion.....	4	4				4				14
Burn, chemical.....	29	28	1			27			1	285
Concussion, blast.....	1			1		1				31
Crush.....	7	7				6	1			71
Deafness due to heavy firing.....					1	1		1		59
Electric shock.....	1	1							1	4
Exhaustion, except heat exhaustion.....	13	13				13				210
Frostbite and other effects of cold.....	7	7				7				59
Heat, effects of (exclusive of burns).....	63	63			1	62			2	249
Hematoma, traumatic.....	68	65		3	1	64		1	4	980

APPENDIX TABLE 3.—*Diseases and noncombat injuries by manner of admission and disposition from the sick list, Navy and Marine Corps female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Diagnoses assigned during the period				Read-missions	Dispositions during the period				Sick days
	New cases					D	DD	IS	Other	
	Total	A	EPTE	ACD/AD						
INJURIES—Continued										
CLASS XXV—Continued										
Hemorrhage, traumatic, eye.....	4	4				4				31
Hemorrhage, traumatic, n. e. c.....	9	9				8	1			59
Intracranial injury.....	195	191	2	2	20	179	8	13	11	5,375
Intraspinal injury.....					1				1	263
Ophthalmia, actinic rays.....	2	2				2				3
Radium, ultraviolet ray, or X-ray, effects of.....	12	10	1	1		8		2	1	152
Submersion, nonfatal.....	4	4				4				15
Sunburn.....	199	198		1	3	202				837
Drowning.....	2	2					2			
Injuries, multiple, extreme.....	63	62		1		9	49		3	1,108
Injuries, type unknown.....	2	2				1				75
Injury, diagnosis undetermined.....	19	19			1	1			1	258
Other injuries of the class.....	43	40	1	2	2	44	2		1	1,117
POISONINGS										
CLASS XXVI										
Poisonings.....	136	116		20	1	92	7		37	844
Poisoning, acute.....	58	54		4		24	5		29	451
Poisoning, anesthesia.....	2	1		1		1	1			5
Poisoning, therapeutic.....	36	21		15		27	1		7	196
Poisoning, prophylactic or suppressive.....	5	5				5				21
Poisoning, venom.....	33	33			1	34				149
War gas.....	1	1				1				15
Other poisonings of the class.....	1	1							1	7

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
Grand total, all causes.....	47,689.0	62.2	2,037.8	42.7	1,722.4	13.2
CLASS TOTALS						
DISEASES						
Total.....	44,877.3	21.6	2,007.8	44.7	1,594.0	13.0
I. Blood.....	307.8	0.9	4.4	14.3	19.8	23.5
II. Circulatory system.....	503.2	0.9	70.6	140.2	29.0	21.0
III. Digestive system.....	4,991.0	4.4	51.6	10.3	154.8	11.3
IV. Ductless glands.....	172.0	0.9	25.6	148.7	16.6	35.2
V. Ear, nose, throat.....	2,408.2	0.4	70.1	29.1	75.2	11.4
VI. Eye and adnexa.....	372.6	0	36.2	97.0	16.0	15.7
VII. Genito-urinary (nonven.).....	710.4	0.4	16.8	23.6	28.4	14.6
VIII. Oral, nasal discharges.....	18,676.4	6.6	2.2	0.1	349.1	6.8
IX. Intestinal discharges.....	11.0	0	0	0	0.6	21.8
X. Insects, arthropods.....	37.5	0	0.4	11.8	2.8	27.2
XI. Tuberculosis.....	186.5	1.8	123.9	664.3	38.0	74.3
XII. Venereal diseases.....	351.0	0	4.4	12.6	17.6	18.4
XIII. Other infective types.....	1,684.1	0.4	30.9	18.3	81.1	17.6
XIV. Lymphatic system.....	204.6	0.4	4.0	19.4	7.2	12.9
XV. Mind.....	975.0	0.4	717.0	735.4	146.4	54.8
XVI. Motor system.....	1,058.8	0	120.4	113.7	75.9	26.2
XVII. Nervous system.....	358.1	0	86.0	240.1	34.8	35.4
XVIII. Respiratory system.....	500.5	0	62.6	125.1	39.1	28.5
XIX. Skin, hair, nails.....	1,066.3	0.4	28.7	26.9	42.9	14.7
XX. Herniae.....	58.2	0	4.4	75.8	7.0	44.2
XXI. Miscellaneous.....	3,367.3	0	202.0	60.0	163.5	17.7
XXII. Parasitic.....	399.1	0	0.9	2.2	14.6	13.3
XXIII. Tumors.....	920.8	2.6	52.0	56.5	63.1	25.0
XXIV. Female conditions.....	4,897.1	0.9	289.7	59.2	159.4	11.9
XXVII. Dental conditions.....	659.7	0	3.1	4.7	10.9	6.0
INJURIES						
XXV. Injuries.....	2,751.7	37.5	30.0	10.9	127.4	16.9
POISONINGS						
XXVI. Poisonings.....	60.0	3.1	0	0	1.0	6.2
DISEASES						
CLASS I						
Diseases of blood.....	307.8	0.9	4.4	14.3	19.8	23.5
Anemias:						
Anemia, pernicious.....	2.2	0	0.9	400.0	0.2	30.0
Anemia, secondary.....	81.1	0	0.4	5.4	4.4	20.0
Jaundice, hemolytic.....	1.3	0	0.4	333.3	0.1	39.0
Anemia, n. e. c.....	15.0	0	0.9	58.8	0.9	21.0
Leukemias:						
Acute.....	0.9	0.4	0	0	0.2	95.0
Chronic.....	1.3	0.4	0.9	666.7	0.4	125.0
Granulocytopenia, malignant.....	0.9	0	0	0	0.0	23.5
Purpuras, primary:						
Purpura hemorrhagica.....	2.6	0	0	0	0.5	70.0
Purpura, primary, n. e. c.....	7.5	0	0.4	58.8	0.6	29.5
Mononucleosis, infectious.....	192.3	0	0	0	12.0	22.8
Other diseases of the class.....	2.6	0	0.4	166.7	0.3	37.8
CLASS II						
Diseases of circulatory system.....	503.2	0.9	70.6	140.2	29.0	21.0
Heart valves and endocardium:						
Diseases of mitral valve.....	45.4	0	28.2	621.4	5.0	40.2
Diseases of aortic valve.....	1.8	0	1.7	1,000.0	0.3	57.2
Endocarditis, subacute bacterial.....	0.9	0	0	0	0.4	159.5
Diseases of heart valve and endocardium, n. e. c.....	1.3	0	0	0	0.0	13.0
Coronary arteries:						
Coronary heart disease, arteriosclerotic.....	1.3	0	0.4	333.3	0.2	47.0
Thrombosis, coronary artery.....	0	0	0	0	0.1	.....
Diseases of coronary arteries n. e. c. and angina pectoris.....	0.9	0	0	0	0.0	19.5
Hypertensive heart disease.....	0.9	0	0	0	0.1	62.0
Myocarditis.....	8.8	0.4	4.0	450.0	1.1	44.7
Pericarditis.....	1.8	0	0	0	0.4	86.5
Disorders of function:						
Auricular fibrillation and flutter and heart block.....	1.8	0	0	0	0.0	9.0
Disorders of function n. e. c.....	39.2	0	4.0	101.1	2.1	19.9

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS II—Continued						
Diseases of the heart n. e. c.....	3.5	0.4	2.2	625.0	0.2	25.5
Arteries:						
Cerebral embolism and thrombosis.....	1.3	0	0	0	0.1	37.0
Aneurysm, except of aorta.....	1.3	0	0.9	666.7	0.0	13.7
Arteriosclerosis.....	1.3	0	0	0	0.3	87.7
Hypertension, arterial.....	20.7	0	7.9	383.0	2.6	45.6
Diseases of arteries n. e. c.....	8.8	0	0.4	50.0	0.6	23.2
Vein:						
Varicose veins.....	111.6	0	3.5	31.6	4.6	15.2
Phlebitis.....	48.1	0	7.9	165.1	4.0	30.2
Diseases of veins n. e. c.....	7.9	0	0.4	55.6	0.8	35.8
Syncope.....	139.8	0	4.0	28.4	3.6	9.3
Angioneurotic edema.....	28.2	0	2.6	93.8	1.1	14.3
Neurocirculatory asthenia.....	10.1	0	1.8	173.9	0.6	22.9
Other diseases of the class.....	16.3	0	0.4	27.0	0.5	12.3
CLASS III						
Diseases of digestive system.....	4,991.0	4.4	51.6	10.3	154.8	11.3
Buccal cavity or adnexa, except teeth:						
Diseases of salivary glands.....	14.6	0	0	0	0.3	8.4
Diseases of buccal cavity or adnexa n. e. c.....	20.3	0	0	0	0.4	7.7
Diseases of esophagus.....	1.3	0	0.4	333.3	0.2	71.3
Ulcers of stomach or intestines:						
Ulcer, stomach.....	3.1	0	2.2	714.3	0.6	70.8
Ulcer, duodenum.....	32.2	0	10.6	328.8	5.4	61.4
Gastritis, enteritis, and colitis:						
Gastritis, acute.....	395.1	0	0	0	5.4	5.0
Gastroenteritis, acute.....	2,405.6	0	1.3	0.5	30.3	4.6
Acute enteritis and colitis n. e. c.....	314.9	0	0	0	5.3	6.1
Gastritis, chronic.....	16.8	0	2.2	131.6	1.7	37.6
Colitis, ulcerative.....	5.7	0.4	3.1	538.5	1.3	84.2
Colitis, chronic.....	22.5	0	3.1	137.2	1.8	29.4
Chronic inflammation of stomach or intestines n. e. c.....	43.6	0	0.4	10.1	1.6	13.4
Appendicitis, acute and chronic.....	936.6	0.9	0.9	0.9	57.4	22.4
Functional digestive disturbances:						
Pylorospasm.....	26.4	0	1.3	50.0	0.9	12.8
Irritable colon.....	60.4	0	7.9	131.4	4.4	26.7
Constipation.....	106.3	0	0.9	8.3	2.5	8.6
Functional digestive disturbances n. e. c.....	65.3	0	1.3	20.3	2.4	13.5
Intestinal obstruction.....	25.6	0	2.6	103.4	2.5	35.1
Rectum or anus:						
Fissure or fistula in ano.....	71.9	0	0	0	4.0	20.2
Abscess, periproctie.....	34.0	0	0	0	1.5	15.8
Hemorrhoids.....	189.2	0	0.4	2.3	8.4	16.2
Diseases of rectum or anus n. e. c.....	7.5	0	0.4	58.8	0.4	20.9
Diseases of stomach or intestines n. e. c.....	11.9	0	0	0	1.4	42.1
Liver:						
Atrophy, yellow, acute.....	0.4	0	0.4	1,000.0	0.1	60.0
Hepatitis, acute.....	22.5	0.4	0	0	2.1	33.8
Diseases of liver n. e. c.....	0.9	0	0.4	500.0	0.1	57.5
Gallbladder or biliary ducts:						
Cholelithiasis.....	11.5	0	0.9	76.9	1.8	56.3
Cholecystitis without mention of calculi.....	68.8	0	0	0	3.5	18.4
Diseases of gallbladder or biliary ducts n. e. c.....	2.2	0	0	0	0.1	19.2
Diseases of pancreas.....	1.3	0	0	0	0.1	21.3
Peritoneum:						
Peritonitis, acute.....	14.1	2.2	0	0	1.1	28.4
Abdominal adhesions and chronic peritonitis.....	51.6	0.4	10.1	196.6	4.9	34.9
Other diseases of the class.....	7.0	0	0.4	62.5	0.7	36.4
CLASS IV						
Diseases of ductless glands and spleen. (Endocrines).....	172.0	0.9	25.6	148.7	16.6	35.2
Thyroid gland:						
Goiter, simple.....	5.7	0	0.4	76.9	0.5	30.4
Goiter, adenomatous.....	27.8	0	0.9	31.7	2.5	32.4
Goiter, exophthalmic.....	5.3	0.4	0.9	166.7	1.1	75.5
Hyperthyroidism.....	18.1	0	4.4	243.9	1.7	34.9
Hypothyroidism.....	77.6	0	4.8	62.5	6.3	29.7
Myxedema.....	1.3	0	0.4	333.3	0.1	30.0
Diseases of thyroid gland n. e. c.....	3.1	0	0.4	142.8	0.2	25.1
Parathyroids: Hypoparathyroidism.....	0.9	0	0.4	500.0	0.0	0.5
Diseases of pituitary gland.....	5.7	0	2.2	384.6	0.5	34.1
Diseases of adrenal glands.....	1.3	0.4	0	0	0.2	65.3
Diabetes mellitus.....	9.3	0	5.7	619.0	1.5	60.5
Diseases of endocrine glands and spleen n. e. c.....	15.9	0	4.8	305.6	1.8	42.7

APPENDIX TABLE 4.—*Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued*

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS V						
Diseases of ear, nose, and throat.....	2,408.2	0.4	70.1	29.1	75.2	11.4
Ear—inflammatory diseases:						
Otitis media, acute.....	409.2	0	0.4	1.1	10.5	9.3
Otitis media, chronic.....	67.5	0	29.1	431.1	3.1	16.7
Otitis externa.....	127.9	0	0.4	3.4	3.0	8.5
Aero-otitis media.....	0.4	0	0	0	0.0	22.0
Myringitis.....	9.3	0	0	0	0.1	5.0
Inflammatory diseases of ear n. e. c.....	18.5	0	0	0	0.6	11.4
Ear—deafness:						
Unilateral.....	12.3	0	5.3	428.6	0.8	23.9
Bilateral.....	25.1	0	13.7	543.8	2.7	38.7
Diseases of ear n. e. c.....	5.3	0	1.8	333.3	0.5	37.4
Diseases of ear n. e. c.....						
Accessory sinuses:						
Sinusitis, frontal.....	138.9	0	0.4	3.2	3.0	7.9
Sinusitis, maxillary.....	231.1	0	0.9	3.8	7.8	12.3
Mastoiditis, acute.....	7.0	0	0	0	0.6	28.7
Mastoiditis, chronic.....	4.8	0	1.3	272.7	0.5	37.0
Sinusitis, n. e. c.....	76.7	0	1.8	23.0	2.7	12.8
Nose:						
Deviation, nasal septum.....	45.9	0	0	0	1.9	15.0
Diseases of nose or nasal fossae n. e. c.....	41.4	0	14.6	351.1	2.1	18.5
Mouth or pharynx:						
Angina, Ludwig's.....	2.2	0.4	0	0	0.2	37.8
Tonsillitis, chronic.....	1,049.5	0	0	0	30.2	10.5
Abscess, peritonsillar.....	74.1	0	0	0	2.2	11.0
Diseases and conditions of pharynx n. e. c.....	31.3	0	0.4	14.1	1.0	11.9
Larynx:						
Laryngitis, chronic.....	24.7	0	0	0	1.5	21.8
Diseases of larynx n. e. c.....	2.2	0	0	0	0.1	10.2
Other diseases of the class.....	2.6	0	0	0	0.1	11.2
CLASS VI						
Diseases of eye and adnexa.....	372.6	0	36.2	97.0	16.0	15.7
Optic nerve or retina:						
Detachment, retina.....	1.8	0	0.9	500.0	0.6	131.2
Optic neuritis and retinitis.....	14.1	0	0.9	62.5	1.2	31.6
Uveal tract:						
Choroiditis.....	6.2	0	1.3	214.3	0.6	38.2
Iritis.....	14.1	0	0	0	1.1	27.7
Uveitis, n. e. c.....	15.9	0	1.3	83.3	1.9	43.7
Glaucoma.....	0.9	0	0	0	0.0	16.0
Diseases of uveal tract n. e. c.....	0.9	0	0	0	0.0	21.5
Lens or aqueous and vitreous humors:						
Cataract.....	3.5	0	1.8	500.0	0.3	34.0
Diseases and conditions of lens or humors n. e. c.....	2.6	0	1.3	500.0	0.3	46.8
Sclera or cornea:						
Keratoconjunctivitis, epidemic.....	2.2	0	0	0	0.1	13.6
Ulcer, cornea.....	24.7	0	0.4	17.8	0.9	13.2
Keratitis and scleritis n. e. c.....	19.0	0	1.3	69.8	0.7	13.6
Opacity, cornea.....	1.3	0	0.9	666.7	0.1	38.0
Conjunctiva:						
Conjunctivitis, n. e. c.....	150.4	0	0	0	2.4	5.7
Pterygium.....	5.7	0	0	0	0.2	9.6
Eyelids:						
Chalazion.....	9.7	0	0	0	0.1	3.4
Hordeolum.....	17.2	0	0	0	0.2	3.7
Blepharitis.....	7.0	0	0	0	0.2	9.7
Diseases and conditions of eyelids n. e. c.....	0.9	0	0	0	0.0	23.5
Lacrimal glands or ducts:						
Dacryocystitis.....	4.8	0	0	0	0.2	13.3
Diseases and conditions of lacrimal glands or ducts n. e. c.....	1.8	0	0	0	0.0	7.5
Extraocular muscles:						
Ophthalmoplegia.....	1.3	0	0	0	0.0	9.7
Insufficiency and paralysis of extraocular muscles n. e. c.....	21.2	0	4.8	229.2	2.0	35.5
Disorders of vision, except refractive errors:						
Amblyopia.....	6.2	0	4.4	714.3	0.5	30.2
Hemianopsia.....	0.9	0	0.4	500.0	0.1	58.0
Color blindness.....	0.9	0	0.4	500.0		
Refractive errors:						
Astigmatism, all types.....	17.2	0	6.6	384.6	1.1	22.6
Myopia.....	15.9	0	8.8	555.6	0.8	18.2
Errors of refraction n. e. c.....	1.3	0	0.4	333.3	0.1	17.3
Other diseases of the class.....	3.1	0	0	0	0.1	10.3

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS VII						
Diseases of genito-urinary system (nonvenereal).....	710.4	0.4	16.8	23.6	28.4	14.6
Kidneys or ureters, except calculi:						
Nephritis.....	21.2	0.4	2.6	125.0	1.8	30.6
Nephrosis.....	0.9	0	0	0	0.0	10.5
Abscess, perinephritic.....	0.4	0	0	0		
Pyelitis.....	233.3	0	0.9	3.8	7.9	12.4
Pyelonephritis and pyonephritis.....	22.9	0	0	0	1.0	16.7
Hydronephrosis.....	6.6	0	2.2	333.3	1.0	58.5
Albuminuria and hematuria.....	31.8	0	1.8	55.6	1.3	15.3
Diseases and conditions of kidneys or ureters n. e. c.....	31.8	0	3.5	111.1	2.9	33.1
Calculi:						
Kidneys or urters.....	67.9	0	1.3	19.5	3.2	17.4
Other parts of urinary passages.....	2.6	0	0	0	0.0	8.2
Bladder:						
Cystitis.....	258.0	0	1.8	6.8	7.2	10.1
Diseases of bladder n. e. c.....	3.5	0	1.8	500.0	0.5	52.0
Urethra:						
Urethritis, acute.....	10.6	0	0	0	0.4	12.4
Stricture, urethra.....	0.9	0	0	0	0.0	11.0
Diseases of urethra n. e. c.....	5.7	0	0.4	76.9	0.4	24.0
Other diseases of the class.....	12.3	0	0.4	35.7	0.6	19.5
CLASS VIII						
Communicable diseases transmissible by oral and nasal discharges.....	18,676.4	6.6	2.2	0.1	349.1	6.8
(A) Diseases classed as communicable in standard health department practice.....	2,742.5	6.2	1.8	0.6	104.6	13.9
Cerebrospinal fever, meningococcic.....	8.8	0.9	0	0	0.8	35.2
Chickenpox.....	36.6	0	0	0	1.5	14.6
Diphtheria.....	8.4	0	0	0	0.4	19.4
Enecephalitis, lethargic.....	0.4	0	0	0	0.0	48.0
German measles.....	982.1	0	0.4	0.4	17.6	6.5
Influenza.....	200.2	0	0	0	3.7	6.8
Measles.....	277.4	0	0	0	7.2	9.6
Mumps.....	274.7	0	0	0	10.2	13.6
Pneumonia, broncho.....	85.6	1.8	0	0	6.0	25.4
Pneumonia, lobar.....	93.9	0	0	0	6.4	25.1
Pneumonia, primary, atypical, etiology unknown.....	413.2	2.2	0	0	28.7	25.3
Polio-myelitis, anterior, acute.....	6.6	0.4	1.3	200.0	2.1	115.1
Scarlet fever.....	260.6	0	0	0	17.5	24.6
Septic sore throat.....	88.2	0.9	0	0	2.0	8.4
Whooping cough.....	4.0	0	0	0	0.2	17.8
Other diseases of the class (A).....	1.8	0	0	0	0.1	16.5
(B) Common infectious diseases of the respiratory type.....	15,934.0	0.4	0.4	0.0	244.5	5.6
Angina, Vincent's.....	407.9	0	0	0	7.1	6.4
Bronchitis, acute.....	968.8	0	0.4	0.4	21.3	8.0
Catarrhal fever, acute.....	9,824.2	0	0	0	140.5	5.2
Laryngitis, acute.....	619.6	0	0	0	9.2	5.4
Pharyngitis, acute.....	1,837.1	0.4	0	0	28.0	5.6
Rhinitis, acute.....	166.2	0	0	0	1.9	4.3
Tonsillitis, acute.....	1,981.8	0	0	0	34.0	6.3
Tracheitis, acute.....	76.3	0	0	0	1.1	5.5
Tracheobronchitis, acute.....	50.7	0	0	0	1.4	9.9
Other diseases of the class (B).....	1.3	0	0	0	0.1	19.0
CLASS IX						
Communicable diseases transmissible by intestinal discharges.....	11.0	0	0	0	0.6	21.8
Dysentery, bacillary.....	7.0	0	0	0	0.3	13.6
Paratyphoid fever.....	2.2	0	0	0	0.1	20.8
Typhoid fever.....	1.8	0	0	0	0.3	56.0
CLASS X						
Communicable diseases transmissible by insects and other arthropods.....	37.5	0	0.4	11.8	2.8	27.2
Malaria:						
Malaria, benign tertian.....	19.8	0	0	0	1.2	21.9
Malaria, malignant tertian.....	1.8	0	0	0	0.2	34.5
Malaria, n. e. c.....	2.2	0	0	0	0.1	19.0
Dengue.....	7.5	0	0	0	0.6	27.4
Filariasis.....	0	0	0	0	0.0	
Tularemia.....	0.4	0	0	0	0.0	17.0

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS X—Continued						
Rickettsial diseases:						
Typhus, scrub.....	0.4	0	0	0	0.1	109.0
Typhus, other.....	4.4	0	0	0	0.6	49.2
Other diseases of the class.....	0.9	0	0.4	500.0	0.0	4.0
CLASS XI						
Tuberculosis, all forms.....	186.5	1.8	123.9	664.3	38.0	74.3
Tuberculosis, pulmonary, primary, active.....	2.6	0	0	0	0.6	87.8
Tuberculosis, pulmonary, primary, apparently healed.....	1.3	0	0	0	0.2	60.7
Tuberculosis, pulmonary, reinfection, active.....	72.8	0.4	41.4	569.7	25.5	128.1
Tuberculosis, pulmonary, reinfection, arrested.....	101.0	0	78.9	781.6	8.4	30.2
Tuberculosis, n. e. c.....	8.8	1.3	3.5	400.0	3.2	134.5
CLASS XII						
Venereal diseases.....	351.0	0	4.4	12.6	17.6	18.4
Gonorrheal infections:						
Gonococcus infection, joint.....	1.3	0	0	0	0.2	46.0
Gonococcus infection, conjunctiva.....	0.4	0	0	0	0.0	25.0
Gonococcus infection, n. e. c.....	273.0	0	2.2	8.1	12.3	16.5
Syphilis:						
Syphilis, early.....	25.6	0	0.9	34.5	1.7	25.0
Syphilis, latent.....	38.8	0	0.4	11.4	2.4	22.3
Syphilis of central nervous system n. e. c.....	1.3	0	0.4	333.3	0.3	81.3
Syphilis, n. e. c.....	9.7	0	0.4	45.4	0.7	26.3
Chancroid and chancroidal lymphadenitis.....	0.9	0	0	0	0.0	11.0
CLASS XIII						
Other diseases of the infectious type.....	1,684.1	0.4	30.9	18.3	81.1	17.6
Infections, localized:						
Abscess.....	260.6	0	0.9	3.4	9.7	13.6
Carbuncle and furuncle.....	339.1	0	0	0	6.4	6.9
Cellulitis.....	779.2	0.4	0.9	1.1	13.9	6.5
Focal infection.....	2.2	0	0	0	0.0	6.8
Food poisoning:						
Food infection.....	2.2	0	0	0	0.1	10.8
Food poisoning, bacterial.....	43.2	0	0	0	0.4	3.2
Food intoxication, n. e. c.....	15.9	0	0	0	0.2	3.7
Dysentery, n. e. c.....	5.3	0	0	0	0.1	4.8
Erysipelas.....	5.7	0	0	0	0.3	21.8
Jaundice, acute infectious.....	56.4	0	0	0	4.6	30.1
Rheumatic fever.....	104.5	0	26.4	253.2	38.5	134.5
Septicemia and pyemia.....	10.6	0	0	0	1.1	38.3
Undulant fever.....	6.2	0	0.9	142.8	1.6	96.4
Vaccinia.....	18.5	0	0	0	0.2	3.5
Fever, cause undetermined.....	32.2	0	1.8	54.8	3.8	42.5
Other diseases of the class.....	2.2	0	0	0	0.1	12.4
CLASS XIV						
Diseases of lymphatic system.....	204.6	0.4	4.0	19.4	7.2	12.9
Hodgkin's disease.....	1.8	0	0.9	500.0	0.6	135.5
Lymphadenitis and lymphangitis.....	198.0	0	0.9	4.4	6.2	11.4
Lymphangiectasis.....	0.9	0	0	0	0.0	6.0
Other diseases of the class.....	4.0	0.4	2.2	555.6	0.4	36.1
CLASS XV						
Diseases of mind.....	975.0	0.4	717.0	735.4	146.4	54.8
Psychotic conditions:						
Schizophrenia (dementia praecox).....	90.0	0.4	67.5	750.0	28.2	114.6
Psychosis, manic-depressive.....	37.5	0	32.2	858.8	9.3	90.8
Reactive depression.....	18.1	0	7.9	439.0	2.2	45.1
Paranoia and paranoid state.....	4.4	0	3.1	700.0	0.9	73.0
Psychosis with tabes dorsalis.....	0.4	0	0.4	1,000.0	0.0	9.0
Psychosis with mental deficiency.....	0.4	0	0.4	1,000.0	0.1	53.0
Psychosis, n. e. c.....	28.2	0	16.8	593.8	7.4	95.5
Psychoneuroses:						
Psychoneurosis, hysteria.....	115.1	0	67.0	582.4	13.8	43.9
Psychoneurosis, anxiety.....	138.5	0	106.3	767.5	15.6	41.1
Psychoneurosis, neurasthenia.....	31.3	0	19.4	619.7	3.6	41.8
Psychoneurosis, obsessive-compulsive.....	5.3	0	3.5	666.7	0.5	32.2
Psychoneurosis, n. e. c.....	238.1	0	171.5	720.4	29.6	45.3
Psychopathic personality.....	244.7	0	209.0	854.0	32.5	48.3

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XV—Continued						
Mental deficiency.....	1.8	0	1.3	750.0	0.2	40.2
Speech disorder.....	0.4	0	0	0	0.1	74.0
Alcoholism, chronic.....	0.9	0	0	0	0.2	68.0
Enuresis.....	4.0	0	1.3	333.3	0.3	29.3
Other diseases of the class.....	15.9	0	9.3	583.3	1.9	44.2
CLASS XVI						
Diseases of motor system.....	1,058.8	0	120.4	113.7	75.9	26.2
Bones or cartilage:						
Osteomyelitis.....	9.3	0	1.8	190.5	1.0	39.0
Osteochondritis deformans.....	0.9	0	1.3	1,500.0	0.0	21.0
Osteochondritis dissecans.....	4.4	0	2.2	500.0	0.5	43.2
Periostitis, nontraumatic.....	7.5	0	0.4	58.8	0.4	21.0
Spur, bone.....	8.8	0	0	0	0.5	20.4
Diseases and conditions of bone or cartilage, n. e. c.....	11.9	0	0.9	74.1	0.9	26.6
Joints:						
Arthritis, acute.....	101.4	0	4.8	47.8	10.5	37.8
Arthritis, chronic.....	100.1	0	40.6	405.3	15.9	58.1
Arthritis deformans.....	2.6	0	0.4	166.7	0.3	38.0
Ankylosis.....	0.4	0	0	0	0.1	59.0
Joint, internal derangement of.....	37.5	0	6.6	176.5	4.4	42.9
Loose body in joint.....	2.2	0	0.9	400.0	0.1	22.6
Spondylitis.....	2.6	0	0	0	0.1	17.7
Diseases of joints n. e. c.....	21.6	0	2.2	102.0	1.4	24.2
Muscles, tendons, or fascia:						
Myositis, acute and chronic.....	411.9	0	11.9	28.9	16.7	14.8
Rheumatism, muscular.....	26.4	0	4.8	183.3	2.6	36.2
Contracture.....	3.1	0	0.9	285.7	0.3	31.3
Hernia, muscle, fascia, or tendon sheath.....	1.3	0	0.4	333.3	0.2	48.7
Bursitis.....	78.0	0	1.8	22.6	4.5	21.1
Synovitis, nontraumatic.....	37.5	0	3.5	94.1	2.3	22.5
Tenosynovitis.....	34.8	0	2.2	63.3	1.6	16.6
Ganglion, tendon sheath.....	40.6	0	0.4	10.9	1.6	14.7
Flatfoot.....	37.5	0	18.5	494.1	2.9	28.1
Diseases and conditions of muscles, tendons, or fascia n. e. c.....	3.5	0	0	0	0.1	7.4
Deformities of motor system n. e. c.....	60.8	0	12.3	202.9	5.4	32.3
Other diseases of the class.....	11.9	0	1.3	111.1	1.5	47.0
CLASS XVII						
Diseases of nervous system.....	358.1	0	86.0	240.1	34.8	35.4
Brain:						
Abscess, brain.....	1.3	0	0	0	0.0	2.7
Encephalitis, acute, nonlethargic.....	3.1	0	0.4	142.8	0.4	52.8
Encephalitis, chronic, nonlethargic.....	2.2	0	0.4	200.0	0.2	35.0
Hemorrhage, brain.....	1.8	0	0.4	250.0	0.7	146.8
Hemiplegia, old.....	0.4	0	0	0	0.0	28.0
Paralysis agitans.....	0.4	0	0	0	0.0	27.0
Athetosis and chorea (except Huntington's).....	0.4	0	0	0	0.0	13.0
Epilepsy.....	34.8	0	33.5	962.0	5.5	57.2
Epilepsy, jacksonian.....	0.9	0	0.4	500.0	0.2	64.5
Diseases and conditions of brain n. e. c.....	11.0	0	1.3	120.0	0.9	28.8
Meninges:						
Choriomeningitis, benign lymphocytic.....	4.8	0	0	0	0.4	32.0
Meningitis, except meningococcic.....	8.8	0	0	0	0.7	29.4
Spinal cord:						
Poliomyelitis, anterior, chronic.....	2.2	0	0.4	200.0	0.4	63.4
Sclerosis, amyotrophic lateral.....	0.4	0	0.4	1,000.0	0.0	33.0
Sclerosis, disseminated.....	6.6	0	2.2	333.3	1.6	88.1
Myelitis.....	0.9	0	0.4	500.0	0.3	133.0
Diseases of spinal cord n. e. c.....	0.4	0	0	0	0.0	30.0
Peripheral nerves:						
Paralysis, nerve.....	16.8	0	2.6	157.9	2.5	55.4
Neuritis.....	87.3	0	4.4	50.5	6.4	26.7
Neuralgia.....	55.1	0	2.2	40.0	3.9	25.6
Diseases of peripheral nerves n. e. c.....	2.2	0	1.3	600.0	0.4	60.0
Migraine.....	101.4	0	30.4	300.0	8.5	30.5
Dystrophy, progressive muscular.....	0	0	0.4	0	0.1	39.6
Other diseases of the class.....	14.6	0	4.4	303.0	1.6	39.6
CLASS XVIII						
Diseases of respiratory system.....	500.5	0	62.6	125.1	39.1	28.5
Trachea or bronchi:						
Bronchiectasis.....	9.3	0	6.2	666.7	1.4	55.4
Chronic inflammation of trachea or bronchi n. e. c.....	100.5	0	6.2	61.4	5.0	18.0
Diseases and conditions of trachea or bronchi n. e. c.....	1.8	0	0.4	250.0	0.5	106.8

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XVIII—Continued						
Lungs:						
Atelectasis.....	1.3	0	0	0	0.2	45.0
Emphysema, pulmonary.....	0.4	0	0.4	1,000.0	0.1	53.0
Pneumonitis, acute.....	103.2	0	0	0	6.6	23.4
Pneumonia, n. e. c.....	7.0	0	0	0	0.8	43.0
Pneumoconiosis, n. e. c.....	0.4	0	0	0	0.0	13.0
Diseases and conditions of lungs n. e. c.....	0.4	0	0.4	1,000.0	0.1	93.0
Pleura:						
Empyema.....	1.8	0	0	0	0.6	123.5
Pleurisy, fibrinous, acute.....	82.5	0	0.9	10.7	3.5	15.7
Pleurisy with effusion.....	32.2	0	2.2	68.5	5.8	65.6
Pleurisy, fibrinous, chronic.....	10.1	0	1.8	173.9	1.5	53.0
Pneumothorax.....	1.8	0	0	0	0.2	35.8
Allergic:						
Asthma.....	105.8	0	38.8	366.7	10.1	35.0
Hay fever.....	34.0	0	4.8	142.8	1.9	20.1
Other diseases of the class.....	7.9	0	0.4	55.6	0.8	39.3
CLASS XIX						
Diseases of skin, hair, and nails.....	1,066.3	0.4	28.7	26.9	42.9	14.7
Skin:						
Acne.....	23.4	0	0.9	37.7	1.5	23.7
Callosity.....	13.7	0	0.4	32.2	0.5	14.4
Cicatrix, skin.....	17.2	0	1.8	102.6	2.4	52.1
Dermatitis seborrheica.....	18.5	0	0.4	23.8	1.5	29.9
Dermatitis venenata.....	285.3	0	0.4	1.5	8.7	11.2
Dermatitis, industrial.....	2.6	0	0	0	0.0	6.5
Eczema.....	36.6	0	6.6	180.7	3.4	34.4
Dermatitis, n. e. c.....	98.8	0	3.1	31.2	4.3	16.0
Erythema.....	70.1	0	1.3	18.9	3.9	20.3
Herpes.....	25.6	0	0	0	0.5	6.6
Herpes zoster.....	26.9	0	0	0	0.8	10.8
Impetigo.....	61.3	0	0	0	1.7	10.1
Lichen planus.....	3.1	0	0.4	142.8	0.6	71.3
Lupus erythematosus.....	4.0	0.4	1.8	444.4	0.4	33.8
Pemphigus.....	0.9	0	0	0	0.0	12.5
Pityriasis rosea.....	25.1	0	0	0	0.5	7.5
Prickly heat.....	6.2	0	0	0	0.1	5.6
Pruritus.....	17.6	0	0	0	1.0	20.2
Psoriasis.....	14.6	0	4.4	303.0	1.1	27.9
Sycosis.....	0.9	0	0	0	0.0	15.5
Ulcer, skin.....	4.0	0	0	0	0.3	25.0
Urticaria.....	148.2	0	4.0	26.8	3.9	9.7
Diseases and conditions of skin n. e. c.....	51.6	0	1.3	25.6	2.0	14.1
Hair and nails:						
Folliculitis.....	7.9	0	0	0	0.2	7.0
Ingrowing nail.....	77.6	0	0	0	2.2	10.5
Onychia.....	15.9	0	0	0	0.3	7.7
Diseases and conditions of hair and nails n. e. c.....	1.8	0	0.4	250.0	0.1	16.5
Other diseases of the class.....	7.0	0	1.3	187.5	0.8	38.8
CLASS XX						
Herniae.....	58.2	0	4.4	75.8	7.0	44.2
Hernia, diaphragmatic.....	0.9	0	0.9	1,000.0	.....	.....
Hernia, femoral.....	4.8	0	0	0	0.4	29.4
Hernia, inguinal.....	32.2	0	0.4	13.7	2.9	32.4
Hernia, ventral.....	4.4	0	0.9	200.0	0.5	39.7
Hernia, recurrent, after operation.....	2.2	0	0	0	0.2	32.2
Hernia, strangulated.....	0.4	0	0	0	0.1	64.0
Hernia, intervertebral disc.....	13.2	0	2.2	166.7	3.0	83.9
CLASS XXI						
Miscellaneous diseases and conditions.....	3,367.3	0	202.0	60.0	163.5	17.7
Absence, acquired:						
Eye(s).....	0.4	0	0	0	0.2	165.0
Foot (feet), leg(s), or lower extremity(ies).....	0.4	0	0	0	0.4	326.0
Finger(s).....	0.4	0	0	0	0.0	3.0
Toe(s).....	2.2	0	0.9	400.0	0.1	22.4
All other.....	4.4	0	1.3	300.0	0.4	36.9
Other deformities:						
Absence, congenital.....	0.4	0	0	0	0.0	15.0
Deformity, acquired.....	45.9	0	16.8	365.4	5.4	43.2
Deformity, congenital.....	66.1	0	27.3	413.3	6.7	37.0
Atrophy.....	4.8	0	2.2	454.5	0.6	47.3
Defective physical development.....	0.9	0	0	0	0.1	33.0
Foreign body, nontraumatic.....	7.5	0	0	0	0.1	6.0

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XXI—Continued						
Other surgical conditions:						
Adhesions.....	13.7	0	3.1	225.8	1.3	35.4
Calculus, n. e. c.....	8.8	0	2.2	250.0	0.4	16.0
Diverticulum.....	1.3	0	0.4	333.3	0.2	43.3
Fistula, n. e. c.....	1.8	0	0	0	0.1	14.0
Gangrene, n. e. c.....	0.4	0	0	0	0.0	37.0
Hemorrhage, n. e. c.....	27.8	0	0	0	1.2	15.8
Rupture, nontraumatic.....	18.1	0	2.2	122.0	0.8	17.0
Sinus.....	3.5	0	0	0	0.1	13.5
Ulcer, n. e. c.....	11.9	0	0.4	37.0	0.6	17.8
Medical and NP conditions:						
Allergy.....	78.5	0	11.9	151.7	4.0	18.6
Anaphylaxis and serum sickness.....	117.3	0	0	0	1.1	3.3
Anti-inoculation.....	156.1	0	0	0	1.4	3.4
Motion sickness.....	12.3	0	0	0	0.2	6.0
Shock.....	0.9	0	0	0	0.0	2.0
Vertigo.....	33.5	0	0.4	13.2	1.1	12.1
Nutritional diseases and avitaminosis.....	20.7	0	0.9	42.6	2.2	38.4
Asthenia, postinfective and postsurgical.....	11.5	0	0.9	76.9	1.0	33.5
Headache.....	174.2	0	12.8	73.4	7.6	16.0
Fatigue, operational.....	60.8	0	0	0	2.0	12.1
Alcoholism.....	25.1	0	0	0	0.3	3.9
Drug addiction.....	1.3	0	0.4	333.3	0.1	28.0
No disease.....	2,319.1	0	114.6	49.4	116.8	18.4
Observation for aptitude.....	362.0	0	78.9	218.0	31.5	31.8
Medical observation.....	1,643.5	0	0.4	0.3	59.4	13.2
Communicable disease contact.....	14.1	0	0	0	0.3	7.3
Convalescent leave.....	78.9	0	0	0	6.0	27.9
Unsuited for further useful service.....	116.0	0	33.1	285.2	15.7	49.5
All other conditions.....	104.5	0	2.2	21.1	3.9	13.6
Diagnosis undetermined.....	64.4	0	0	0	2.8	16.2
Other diseases and conditions of the class.....	70.6	0	3.1	43.8	3.9	20.0
CLASS XXII						
Parasitic diseases (fungi and certain animal parasites).....	399.1	0	0.9	2.2	14.6	13.3
Mycoses:						
Dermatophytosis.....	232.4	0	0.9	3.8	10.4	16.3
Mycosis, n. e. c.....	0.9	0	0	0	0.0	17.5
Protozoiasis:						
Amebiasis.....	9.3	0	0	0	0.7	26.1
Flagellate infection, intestinal.....	2.6	0	0	0	0.1	9.5
Helminthiasis:						
Ascariasis.....	0.9	0	0	0	0.0	6.0
Hookworm disease.....	3.1	0	0	0	0.1	16.7
Teniasis.....	2.6	0	0	0	0.1	10.0
Trichinosis.....	0.4	0	0	0	0.0	6.0
Helminthiasis n. e. c.....	4.0	0	0	0	0.2	16.1
Arthropod infestations:						
Pediculosis.....	10.1	0	0	0	0.2	6.5
Scabies.....	127.0	0	0	0	2.4	7.0
Arthropod infestations n. e. c.....	0.4	0	0	0	0.0	2.0
Other diseases of the class.....	5.3	0	0	0	0.4	27.8
CLASS XXIII						
Tumors.....	920.8	2.6	52.0	56.5	63.1	25.0
Benign.....						
Adenoma.....	11.9	0	0.9	49.6	55.3	22.9
Fibroadenoma.....	42.8	0	1.8	41.2	1.0	30.7
Teratoma, n. e. c.....	0.4	0	0	0	1.6	14.2
Tumor, mixed, benign.....	18.1	0	1.8	97.6	0.0	47.0
Cyst, retention.....	55.1	0	0.9	16.0	1.6	33.4
Cyst, teratoma.....	167.6	0	1.3	7.9	2.7	17.8
Cyst, n. e. c.....	381.9	0	22.0	57.7	12.5	27.3
Wart.....	52.0	0	0.4	8.5	24.6	23.5
Epithelial, n. e. c.....	11.0	0	0	0	2.1	15.0
Bone or cartilage.....	11.9	0	2.6	222.2	0.8	26.3
Fat tissue.....	21.6	0	0	0	0.9	27.1
Muscular.....	26.0	0	8.8	339.0	1.0	16.9
Nerve tissue.....	6.6	0	0.4	66.7	1.9	26.2
Vascular.....	20.7	0	0	0	0.4	19.5
Connective tissue, n. e. c.....	41.9	0	2.6	63.2	0.8	14.6
Miscellaneous tumors.....	11.0	0	0	0	3.0	25.9
Malignant.....						
Adenocarcinoma.....	34.8	2.6	6.2	177.2	0.3	10.6
Carcinoma.....	3.1	0.4	0.4	142.8	7.6	80.1
Hypernephroma.....	4.8	1.3	1.8	363.6	1.3	154.4
Myeloma, multiple.....	0.4	0	0	0	2.3	174.2
	0.4	0	0	0	0.0	32.0
					0.0	40.0

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
DISEASES—Continued						
CLASS XXIII—Continued						
Malignant—Continued						
Lymphoma.....	0.4	0	0	0	0.0	19.0
Lymphosarcoma.....	0.4	0	0.4	1,000.0	0.0	31.0
Tumor, mixed, malignant.....	1.3	0	0.4	333.3	0.4	104.3
Epithelial, n. e. c.....	7.0	0.4	0.9	125.0	1.4	74.4
Nerve tissue.....	1.3	0	0	0	0.4	112.0
Connective tissue, n. e. c.....	2.2	0	0.9	400.0	0.3	54.6
Tumor, mixed, n. e. c.....	13.2	0.4	1.3	100.0	1.3	36.5
Other: Unspecified as to benign or malignant.....	5.3	0	2.2	416.7	0.2	12.2
CLASS XXIV						
Female diseases and conditions.....	4,897.1	0.9	289.7	59.2	159.4	11.9
Ovaries or fallopian tubes, except malpositions:						
Salpingitis, acute and chronic.....	462.1	0	78.5	169.8	30.5	24.1
Oophoritis, acute and chronic.....	83.8	0	2.6	31.6	2.9	12.6
Rupture of graafian follicle.....	52.0	0	0	0	1.4	9.7
Diseases and conditions of ovaries or fallopian tubes n. e. c.....	4.8	0	0	0	0.4	33.8
Fundus uteri:						
Endometritis and metritis.....	34.4	0	0.9	25.6	2.2	23.2
Diseases and conditions of fundus uteri n. e. c.....	7.5	0	0	0	0.2	10.0
Cervix uteri and vagina:						
Endocervicitis and vaginitis (nonvenereal).....	256.6	0	3.5	13.7	12.5	17.7
Diseases and conditions of cervix and vagina n. e. c.....	10.6	0	0	0	0.8	28.0
External genitalia:						
Vulvitis, nonvenereal.....	15.0	0	0	0	0.4	9.3
Diseases and conditions of external genitalia n. e. c.....	4.4	0	0.4	100.0	0.2	17.0
Malpositions and disorders of supporting structures:						
Displacement of internal genital organs.....	85.1	0	9.7	114.0	5.9	25.5
Cystocele, rectocele, and relaxation of pelvic floor.....	2.6	0	0.4	166.7	0.2	28.8
Functional disorders:						
Amenorrhea.....	70.6	0	2.2	31.2	3.0	15.8
Dysmenorrhea.....	655.3	0	34.0	51.8	12.8	7.1
Menorrhagia and metrorrhagia.....	718.4	0	20.7	28.8	29.7	15.1
Functional disorders n. e. c.....	64.8	0	23.8	367.3	5.2	29.6
Breast:						
Mastitis, acute and chronic.....	43.6	0	1.8	40.4	1.8	15.3
Diseases and conditions of breast n. e. c.....	0.9	0	0	0	0.0	17.0
Obstetrical conditions:						
Pregnancy.....	1,967.6	0.4	89.1	45.3	30.1	5.6
Abortion.....	174.2	0.4	8.8	50.6	8.5	17.8
Toxemia of pregnancy.....	2.6	0	0	0	0.1	11.3
Other diseases of the class.....	179.9	0	13.2	73.5	10.3	20.9
CLASS XXVII						
Dental diseases and conditions.....	659.7	0	3.1	4.7	10.9	6.0
Diseases and conditions of enamel, dentin, cementum, and pulp:						
Caries, teeth.....	4.8	0	0.4	90.9	0.1	9.4
Hypercementosis.....	1.3	0	0	0	0.0	8.7
Pulpitis.....	3.5	0	0	0	0.1	9.2
Diseases and conditions of the periodontal and gingival tissues:						
Abscess, periodontal.....	33.1	0	0	0	0.6	6.2
Gingivitis, Vincent's.....	59.5	0	0	0	1.1	6.5
Gingivitis, n. e. c.....	8.8	0	0	0	0.1	5.1
Paradentosis.....	11.0	0	0.4	40.0	0.6	18.8
Periodontitis.....	3.5	0	0	0	0.0	4.5
Periapical diseases and their sequelae:						
Abscess, dentoalveolar, acute.....	59.5	0	0	0	0.9	5.7
Abscess, periapical.....	46.7	0	0.4	9.4	0.7	5.3
Diseases and conditions of the soft tissues of the oral cavity:						
Abscess, pericoronal.....	5.7	0	0	0	0.1	5.0
Abscess, pterygomandibular.....	0.4	0	0	0	0.0	9.0
Herpes, oral.....	0.4	0	0	0	0.0	7.0
Infection, Vincent's, oral, generalized.....	2.2	0	0	0	0.0	6.0
Developmental abnormalities of the teeth:						
Malocclusion.....	0.9	0	0.4	500.0	.....	.....
Malposition, tooth (teeth).....	2.2	0	0	0	0.1	11.4
Tooth, impacted.....	193.6	0	0	0	2.2	4.2
Tooth, unerupted.....	28.7	0	0	0	0.3	4.1
Absence, acquired, tooth (teeth).....	160.1	0	1.3	8.3	3.0	6.8
Infection, dental, residual.....	3.1	0	0	0	0.0	4.3
Infection, focal, teeth.....	7.9	0	0	0	0.3	13.3
Odontalgia.....	6.6	0	0	0	0.2	12.6
Odontorrhagia.....	9.3	0	0	0	0.1	4.8
Other diseases of the class.....	6.6	0	0	0	0.2	9.3

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES						
CLASS XXV						
Injuries.....	2,751.7	37.5	30.0	10.9	127.4	16.9
Abrasion and contusion.....	647.8	0	0.4	0.7	14.4	8.1
Head or face.....	93.0	0	0	0	1.6	6.2
Eye(s).....	7.5	0	0.4	58.8	0.1	7.2
Thorax or back.....	83.8	0	0	0	2.3	10.1
Abdomen.....	11.5	0	0	0	0.2	8.3
Genital organs.....	0.9	0	0	0	0.0	13.5
Buttock(s).....	20.3	0	0	0	0.4	8.2
Upper extremity(ies).....	53.8	0	0	0	0.9	6.0
Lower extremity(ies).....	209.0	0	0	0	3.9	6.9
Combinations of parts listed above.....	144.6	0	0	0	4.1	10.4
All parts n. e. c.....	23.4	0	0	0	0.6	9.5
Burn (exclusive of chemical, radium, X-ray, or ultraviolet).....	68.4	3.1	0	0	3.0	16.0
Head or face.....	4.0	0	0	0	0.0	4.9
Eye(s).....	2.2	0	0	0	0.0	2.8
Thorax or back.....	1.8	0	0	0	0.0	9.8
Buttock(s).....	0.4	0	0	0	0.0	5.0
Upper extremity(ies).....	13.7	0.4	0	0	0.2	6.7
Lower extremity(ies).....	24.2	0	0	0	1.1	16.5
Combinations of parts listed above.....	20.7	2.6	0	0	1.5	26.5
All parts n. e. c.....	1.3	0	0	0	0.0	8.7
Dislocation, simple and compound.....	42.3	0	0	0	4.2	35.8
Vertebral.....	4.8	0	0	0	0.8	59.4
Hip(s).....	1.3	0	0	0	0.1	34.0
Shoulder(s).....	10.1	0	0	0	0.5	16.6
Knee(s).....	5.7	0	0	0	0.8	51.0
Ankle(s).....	1.8	0	0	0	0.2	49.8
Elbow(s).....	6.2	0	0	0	0.6	35.1
Wrist(s).....	2.6	0	0	0	0.1	13.3
Finger(s).....	1.8	0	0	0	0.1	30.8
Jaw(s).....	1.3	0	0	0	0.0	7.3
All joints n. e. c.....	6.6	0	0	0	0.9	48.1
Dislocation, articular cartilage, knee.....	11.9	0	0.4	37.0	1.5	45.6
Sprain, joint.....	646.9	0	3.1	4.8	16.7	9.4
Ankle(s).....	384.1	0	0	0	6.1	5.8
Knee(s).....	79.4	0	0.4	5.6	3.5	16.1
Elbow(s).....	9.3	0	0	0	0.1	3.7
Wrist(s).....	16.8	0	0	0	0.5	10.2
All joints n. e. c.....	157.4	0	2.6	16.8	6.6	15.2
Other joint injuries.....	29.1	0	6.2	212.1	2.8	35.4
Hip(s).....	0.4	0	0	0	0.1	70.0
Shoulder(s).....	5.3	0	1.8	333.3	0.8	52.8
Knee(s).....	19.8	0	4.0	200.0	1.6	28.6
Ankle(s).....	0	0	0	0	0.0	.....
Finger(s).....	0.4	0	0	0	0.0	3.0
Jaw(s).....	0.9	0	0	0	0.2	80.5
All joints n. e. c.....	2.2	0	0.4	200.0	0.2	32.6
Foreign body, nontraumatic.....	15.4	0	0	0	0.3	8.0
Eye(s).....	5.3	0	0	0	0.1	4.5
Throat or lung(s).....	1.3	0	0	0	0.0	6.7
Digestive tract.....	2.2	0	0	0	0.1	12.0
Head.....	0.4	0	0	0	0.0	8.0
Abdomen.....	0	0	0	0	0.0	.....
Upper extremity(ies).....	2.2	0	0	0	0.1	11.4
Lower extremity(ies).....	2.6	0	0	0	0.0	7.8
All parts n. e. c.....	1.3	0	0	0	0.0	8.3
Fracture, compound.....	19.8	1.3	0.4	22.2	3.8	70.2
Skull.....	5.7	0.9	0.4	76.9	1.0	64.7
Vertebra(e).....	0.4	0	0	0	0.2	32.0
Pelvis.....	0.4	0	0	0	0.1	91.0
Lower leg(s) or ankle(s).....	2.2	0	0	0	0.8	137.0
Forearm(s) or wrist(s).....	1.3	0	0	0	0.1	40.0
Foot (feet) or toe(s).....	0.4	0	0	0	0.0	11.0
Hand(s) or finger(s).....	5.3	0	0	0	0.4	29.2
Combinations of bones listed above.....	4.0	0.4	0	0	1.1	103.2
Fracture, simple.....	499.6	1.8	4.8	9.7	49.4	36.1
Skull.....	36.2	1.3	0	0	2.5	25.4
Vertebra(e).....	35.7	0	3.1	86.4	6.3	64.2
Pelvis.....	8.8	0	0	0	1.7	69.2
Femur(s) or patella(e).....	7.0	0	0	0	1.5	78.1
Lower leg(s) or ankle(s).....	74.5	0.4	0	0	9.1	44.6
Upper arm(s), elbow(s), or shoulder(s).....	32.6	0	0.4	13.5	5.0	55.8
Forearm(s) or wrist(s).....	89.5	0	0	0	7.0	28.4
Foot (feet) or toe(s).....	126.6	0	0	0	7.1	20.4
Hand(s) or finger(s).....	41.0	0	0.4	10.8	1.2	11.1
Combinations of bones listed above.....	22.9	0	0.4	19.2	5.3	84.7
All bones n. e. c.....	24.7	0	0.4	17.8	2.7	40.6
Fracture, faulty union of.....	9.3	0	2.6	285.7	2.2	89.0
Vertebra(e).....	0.9	0	0	0	0.2	64.0
Femur(s) or patella(e).....	0.4	0	0.4	1,000.0	0.0	29.0

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES—Continued						
CLASS XXV—Continued						
Fracture, faulty union of—Continued						
Lower leg(s) or ankle(s).....	1.8	0	0.4	250.0	0.9	187.5
Upper arm(s), elbow(s), or shoulder(s).....	1.3	0	0.4	333.3	0.6	178.3
Forearm(s) or wrist(s).....	1.8	0	0.4	250.0	0.2	45.2
Foot (feet) or toe(s).....	1.3	0	0.4	333.3	0.0	13.7
Hand(s) or finger(s).....	0.9	0	0	0	0.0	4.5
Combinations of bones listed above.....	0.9	0	0.4	500.0	0.2	98.5
Amputation, traumatic.....	3.5	0	1.8	500.0	1.1	117.2
Between ankle(s) and knee(s).....	0.4	0	0.4	1,000.0	0.2	213.0
Between knee(s) and hip(s).....	0	0	0.4	0	0.2	76.6
Finger(s).....	3.1	0	0.9	285.7	1.0	35.8
Rupture, traumatic.....	10.1	0.4	0.9	87.0	0.0	5.0
Tympanum(s).....	1.8	0	0	0	0.8	46.5
Liver.....	0.4	0.4	0	0	0.2	38.0
Muscle(s), cartilage(s), or ligament(s).....	6.2	0	0.9	142.8	0.1	9.7
Sites n. e. c.....	1.8	0	0	0	0.8	8.0
Strain, muscular.....	169.8	0	1.8	10.4	0.1	16.2
Back.....	71.4	0	0.9	12.3	1.5	11.3
Abdomen.....	9.3	0	0	0	0.1	6.3
Extremities.....	37.5	0	0	0	0.0	7.4
Combinations of muscles listed above.....	1.8	0	0	0	0.0	5.3
Muscle(s) n. e. c.....	49.8	0	0.9	17.7	0.0	4.0
Wound, incised.....	7.0	0	0	0	0.1	6.0
Head or face.....	1.3	0	0	0	0.1	7.4
Upper extremity(ies).....	3.5	0	0	0	0.0	5.3
Lower extremity(ies).....	1.3	0	0	0	0.0	14.0
Combinations of parts listed above.....	0.9	0	0	0	0.7	68.0
Wound, infected.....	18.1	0	0	0	0.0	22.0
Thorax or back.....	0.4	0	0	0	0.3	17.6
Abdomen.....	0.4	0	0	0	0.2	8.9
Upper extremity(ies).....	7.0	0	0	0	6.0	12.0
Lower extremity(ies).....	10.1	0	0	0	1.5	7.7
Wound, lacerated.....	182.1	0	0	0	0.1	6.0
Head or face.....	72.3	0	0	0	0.1	37.7
Eye(s).....	5.3	0	0	0	0.1	28.7
Thorax or back.....	1.3	0	0	0	0.1	10.1
Abdomen.....	1.3	0	0	0	0.0	9.0
Genital organs.....	3.1	0	0	0	1.4	18.1
Buttock(s).....	1.3	0	0	0	1.8	12.1
Upper extremity(ies).....	28.7	0	0	0	0.6	21.2
Lower extremity(ies).....	54.2	0	0	0	0.1	13.8
Combinations of parts listed above.....	11.0	0	0	0	0.2	5.1
All parts n. e. c.....	3.5	0	0	0	0.0	2.0
Wound, punctured.....	15.4	0	0	0	0.0	2.0
Head or face.....	0.4	0	0	0	0.0	5.0
Eye(s).....	0.4	0	0	0	0.1	5.5
Thorax or back.....	0.4	0	0	0	0.2	32.5
Buttock(s).....	0.4	0	0	0	0.1	78.0
Upper extremity(ies).....	4.4	0	0	0	0.1	14.2
Lower extremity(ies).....	9.3	0	0	0	0.1	60.0
Combinations of parts listed above.....	2.6	0	0	0	0.4	28.6
Wound, fragment.....	0.4	1.8	0	0	0.0	20.0
Upper extremity(ies).....	0.4	0	0	0	0.0	4.0
Lower extremity(ies).....	1.8	0	0	0	0.4	59.8
Combinations of parts listed above.....	0.4	0.4	0	0	1.1	25.2
Wound, gunshot.....	5.3	0	0	0	0.0	0.8
Head or face.....	0.9	0	0	0	0.0	3.5
Viscera.....	0.4	0.4	0	0	0.3	9.8
Abdomen.....	0.9	0.9	0	0	0.0	31.0
Upper extremity(ies).....	0.4	0	0	0	0.1	10.1
Lower extremity(ies).....	2.2	0	0	0	0.0	4.0
Combinations of parts listed above.....	0.4	0.4	0	0	0.0	0.8
Wounds, multiple.....	15.9	0.4	0	0	0.2	16.2
Asphyxiation.....	1.8	0.4	0	0	0.1	8.4
Avulsion.....	1.8	0	0	0	0.3	4.0
Burn, chemical.....	12.8	0	0	0	1.2	14.4
Concussion, blast.....	0.4	0	0	0	0.0	7.8
Crush.....	3.1	0.4	0	0	0.1	6.6
Deafness due to heavy firing.....	0	0	0.4	0	6.5	27.6
Electric shock.....	0.4	0	0	0	0.3	1.5
Exhaustion, except heat exhaustion.....	5.7	0	0	0	0.2	12.7
Frostbite and other effects of cold.....	3.1	0	0	0	0.0	3.8
Heat, effects of (exclusive of burns).....	27.8	0	0	0	1.0	4.2
Hematoma, traumatic.....	30.0	0	0.4	14.7	0.0	0.0
Hemorrhage, traumatic, eye.....	1.8	0	0	0	0.0	0.0
Hemorrhage, traumatic, n. e. c.....	4.0	0.4	0	0	0.1	6.6
Intracranial injury.....	86.0	3.5	5.7	66.7	0.0	0.0
Intraspinal injury.....	0	0	0	0	0.3	0.0
Ophthalmia, actinic rays.....	0.9	0	0	0	0.0	1.5
Radium, ultraviolet ray, or X-ray, effects of.....	5.3	0	0.9	166.7	0.2	12.7
Submersion, nonfatal.....	1.8	0	0	0	0.0	3.8
Sunburn.....	87.8	0	0	0	1.0	4.2

APPENDIX TABLE 4.—Incidence and other rates for diseases and noncombat injuries, Navy and Marine Corps
female personnel only: 1943-45—Continued

Diagnosis or diagnostic group	Incidence rate per 100,000 average strength	Death rate per 100,000 average strength	Invalidings from service		Sick days	
			Rate per 100,000 average strength	IS's per 1,000 new cases	Non- effective rate per 100,000	Sick days per new case
INJURIES—Continued						
CLASS XXV—Continued						
Drowning.....	0.9	0.9	0	0		
Injuries, multiple, extreme.....	27.8	21.6	0	0	1.3	17.6
Injuries, type unknown.....	0.9	0	0	0	0.1	37.5
Injury, diagnosis undetermined.....	8.4	0	0	0	0.3	13.6
Other injuries of the class.....	19.0	0.9	0	0	1.3	26.0
POISONINGS						
CLASS XXVI						
Poisonings.....	60.0	3.1	0	0	1.0	6.2
Poisoning, acute.....	25.6	2.2	0	0	0.5	7.8
Poisoning, anesthesia.....	0.9	0.4	0	0	0.0	2.5
Poisoning, therapeutic.....	15.9	0.4	0	0	0.2	5.4
Poisoning, prophylactic or suppressive.....	2.2	0	0	0	0.0	4.2
Poisoning, venom.....	14.6	0	0	0	0.2	4.5
War gas.....	0.4	0	0	0	0.0	15.0
Other poisonings of the class.....	0.4	0	0	0	0.0	7.0

APPENDIX TABLE 5a.—Summary of deaths, male and female personnel, Navy and Marine Corps: 1942-45

Cause	Total deaths	Male						Female					
		Total	Navy officers	USMC officers	Navy enlisted	USMC enlisted	Midship- men	Total	Nurses	Women's Reserve			
										Navy officers	USMC officers	Navy enlisted	USMC enlisted
Total deaths, all causes...	27,707	27,575	5,892	1,315	17,600	2,754	14	132	21	19	.....	72	20
Diseases.....	5,351	5,303	675	93	3,927	600	8	48	5	6	.....	33	4
Injuries.....	21,922	21,845	5,194	1,219	13,335	2,091	6	77	11	13	.....	38	15
Poisonings.....	434	427	23	3	338	63	.....	7	5	.....	.....	1	1

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45

Cause	All ages	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 and over
Total, primary causes.....	27,576	4,228	12,934	4,993	2,107	1,422	824	544	268	154	76	26
Diseases.....	5,304	822	1,451	726	525	518	445	385	212	131	63	26
Injuries.....	21,845	3,359	11,338	4,200	1,513	849	355	145	52	22	12	.....
Poisonings.....	427	47	145	67	69	55	24	14	4	1	1	.....
Total, secondary causes ¹	3,201	556	1,138	505	342	254	183	106	57	33	21	6
Diseases ¹	2,361	402	752	362	260	215	161	95	55	32	21	6
Injuries ¹	777	139	361	130	77	36	22	10	1	1	.....	.....
Poisonings ¹	63	15	25	13	5	3	.....	1	1	.....	.....	.....
DISEASES												
CLASS I												
DISEASES OF BLOOD												
Primary causes.....	259	60	98	45	27	10	10	5	3	1	.....	.....
Secondary causes ¹	20	6	6	2	4	2	.....	.....	.....	.....	.....	.....
Anemia, pernicious.....	2	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....
Anemia, secondary ¹	4	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Anemia, splenic.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anemia, n. e. c. ¹	22	6	6	5	1	3	.....	1	.....	.....	.....	.....
Anemia, n. e. c. ¹	3	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Granulocytopenia, malignant.....	25	5	10	6	3	.....	1	.....	.....	.....	.....	.....
Granulocytopenia, malignant ¹	4	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
Jaundice, hemolytic ¹	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Leukemia acute.....	157	39	66	27	14	3	4	2	2	.....	.....	.....
Leukemia, chronic.....	28	2	8	5	6	1	4	1	1	.....	.....	.....
Leukemia, chronic ¹	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mononucleosis, infectious ¹	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Purpura hemorrhagica.....	21	8	6	2	2	1	1	1	.....	.....	.....	.....
Purpura hemorrhagica ¹	3	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Purpura rheumatica.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Purpura simplex.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Other diseases of the class ¹	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
CLASS II												
DISEASES OF CIRCULATORY SYSTEM												
Primary causes.....	1,263	53	149	90	119	181	216	219	112	81	32	11
Secondary causes ¹	409	59	88	46	41	38	45	37	21	17	12	5
Aneurysm, heart.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Aneurysm, n. e. c.:.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aorta.....	19	.....	2	2	.....	2	2	3	3	4	.....	1
Aorta ¹	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Basilar.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carotid.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Carotid ¹	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cerebellar.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cerebral.....	8	.....	1	1	.....	3	.....	3	.....	.....	.....	.....
Femoral.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iliac.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Ulnar.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Angina pectoris.....	14	.....	2	.....	1	2	4	3	2	.....	.....	.....
Angina pectoris ¹	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Aortitis ¹	2	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
Arteriosclerosis, cerebral.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Arteriosclerosis, cerebral ¹	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Arteriosclerosis, general.....	5	.....	.....	.....	.....	.....	.....	2	.....	3	.....	.....
Arteriosclerosis, general ¹	32	1	.....	.....	.....	2	5	4	5	8	5	2
Arteriosclerosis, local, coronary.....	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
Arteriosclerosis, local, coronary ¹	11	.....	1	.....	1	3	1	3	1	.....	.....	1
Cardiac arrhythmia, auricular fibrillation.....	5	.....	1	1	.....	.....	1	1	.....	1	.....	.....
Cardiac arrhythmia, heart block.....	4	2	.....	1	.....	.....	1	.....	.....	.....	.....	.....
Cardiac arrhythmia, heart block ¹	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Cardiac arrhythmia, paroxysmal tachycardia.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiac arrhythmia, paroxysmal tachycardia ¹	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cardiac arrhythmia, n. e. c. ¹	5	1	.....	3	1	.....	.....	.....	.....	.....	.....	.....
Cardiac arrhythmia, n. e. c. ¹	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carditis, acute.....	3	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
Carditis, acute ¹	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Coronary heart disease, arteriosclerotic.....	200	.....	2	9	17	31	42	55	21	11	10	2
Coronary heart disease, arteriosclerotic ¹	46	.....	.....	4	5	8	10	8	6	3	.....	.....
Dilatation, cardiac, acute.....	56	6	25	6	8	5	5	1	.....	.....	.....	.....
Dilatation, cardiac, acute ¹	43	4	19	5	6	5	2	2	.....	.....	.....	.....
Embolism, cerebral.....	10	.....	3	4	1	1	.....	.....	1	.....	.....	.....
Embolism, cerebral ¹	3	.....	1	.....	1	1	.....	.....	.....	.....	.....	.....

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All Ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS II—Continued												
DISEASES OF CIRCULATORY SYSTEM—continued												
Embolism, n. e. c.:												
Heart ¹	1				1							
Multiple ¹	1							1				
Popliteal artery.....	1	1										
Pulmonary artery.....	28	1	9	6	2	4	1	4				
Pulmonary artery ¹	70	8	20	17	10	5	7	1	1	1	1	
Thorax, arteries of.....	1					1						
Unspecified site ¹	1											
Endocarditis, acute.....	16	4	7	3				1				
Endocarditis, acute ¹	19	9	5	2	1		2	1				
Endocarditis, acute, ulcerative.....	14	5	5	2			1					
Endocarditis, acute, ulcerative ¹	3		2	1			1			1		
Endocarditis, chronic.....	4		1	2		1						
Endocarditis, subacute bacterial.....	44	5	14	12	5	3	2	3				
Endocarditis, subacute bacterial ¹	6	1	2	1				1	1			
Epistaxis ¹	1		1									
Heart disease, congenital.....	4		2	1								
Hypertension, arterial.....	8	1	1		1		2					
Hypertension, arterial ¹	28	2	1	2	2	5	4	4	2	2	2	1
Hypertensive heart disease.....	24		1	2		3	4	4	3	5	1	1
Hypertensive heart disease ¹	5		1			1	2		1			
Hypertrophy, heart.....	3	1			1							
Hypertrophy, heart ¹	1			1								
Hypotension, arterial.....	1	1										
Mediastinopericarditis ¹	1											
Myocarditis, acute.....	37	8	15	3	7		1	3				
Myocarditis, acute ¹	38	11	11	6	3	2	3	7	2			
Myocarditis, chronic.....	46	4	9	4	5	5	4	5	1			1
Myocarditis, chronic ¹	8		1	1		2	2	1			1	
Pericarditis, acute.....	3		1		2							
Pericarditis, acute ¹	19	10	6	2	1							
Pericarditis, chronic.....	2	2										
Pericarditis, chronic ¹	5	2	1		2							
Phlebitis:												
Hypogastric vein.....	1		1									
Lower extremity (ies).....	6		2		2	1		1				
Lower extremity (ies) ¹	2				1					1		
Syncope ¹	1		1									
Thrombosis, cerebral.....	16		3		1	3	3	3	1	1		1
Thrombosis, n. e. c.:												
Coronary artery.....	598	4	18	17	57	107	133	118	70	51	18	5
Coronary artery ¹	11				1	2	2	3			1	
Intra-abdominal arteries.....	3		1			1	1					
Intra-abdominal arteries ¹	4			1	1	1				1		
Intra-abdominal veins.....	2		2									
Intra-abdominal veins ¹	7		1	1	1		4					
Pulmonary arteries.....	6		3			1		1	1			
Pulmonary arteries ¹	2	1	1		1		2	1				
Veins of extremities.....	2					1	1					
Veins of extremities ¹	3				1	1		1				
Venous sinuses, intracranial.....	2		2									
Venous sinuses, intracranial ¹	3		2		1							
Arteries, n. e. c.:	3	1				1				1		
Arteries, n. e. c. ¹	1		1									
Other and unspecified site.....	1		1									
Other and unspecified site ¹	1		1									
Valvular heart disease, aortic insufficiency.....	5	1	1			1		1	1			
Valvular heart disease, aortic insufficiency ¹	2	1	1									
Valvular heart disease, aortic stenosis.....	3						1	1	1			
Valvular heart disease, aortic stenosis ¹	1									1		
Valvular heart disease, aortic and mitral.....	12	1	2	2	2	1	3	1				
Valvular heart disease, aortic and mitral ¹	7	5	1	1								
Valvular heart disease, mitral insufficiency.....	4		1	2			1					
Valvular heart disease, mitral insufficiency ¹	2	2										
Valvular heart disease, mitral stenosis.....	16	3	4	2	1	2	2		1	1		
Valvular heart disease, mitral stenosis ¹	2		2									
Varicose veins: Saphenous.....	2			1				1				
Other diseases of this class.....	6	1	2	1	1		1	1				
CLASS III												
DISEASES OF DIGESTIVE SYSTEM												
Primary causes.....	573	100	181	86	42	49	55	30	20	6	3	1
Secondary causes ¹	342	77	115	46	23	24	28	15	9	2	2	1
Abscess, periproctie.....	1					1						
Abscess, periproctie ¹	1				1							
Abscess, subphrenic.....	4	2			1			1				
Abscess, subphrenic ¹	2	1			1							
Appendicitis, acute.....	237	68	95	38	12	12	7	2	2	1		
Appendicitis, chronic.....	6	3	1			2						
Atrophy, liver, yellow, acute.....	33	3	14	13	1		1		1			
Atrophy, liver, yellow, acute ¹	2		1	1								
Cholangitis, acute.....	1							1				
Cholecystitis, acute.....	3		1			1		1				

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 and over
DISEASES—Continued												
CLASS III—Continued												
DISEASES OF DIGESTIVE SYSTEM—continued												
Cholecystitis, acute ¹	2			1					1			
Cholecystitis, chronic.....	4						3	1				
Cholecystitis, chronic ¹	1								1			
Cholelithiasis.....	11			1	1	1	5		2	1		
Cholelithiasis ¹	2						2					
Cirrhosis, liver, atrophic.....	18	1	1	1	4	1	3	4	2	1		
Cirrhosis, liver, hypertrophic.....	9		2			1	2	1	2	1		
Cirrhosis, liver, hypertrophic ¹	1						1					
Cirrhosis, liver, n. e. c. ¹	11		1		1	1	4	2	2			
Cirrhosis, liver, n. e. c. ¹	1						1					
Colitis, acute ¹	1		1									
Colitis, ulcerative.....	11		3	2	2	1	1	1	1			
Colitis, ulcerative ¹	5	1	3									
Dilatation, stomach, acute.....	1					1						
Dilatation, stomach, acute ¹	1				1							
Diverticulitis, intestinal.....	7			2			3	2				
Diverticulitis, intestinal ¹	1		1									
Enteritis, acute.....	2		1				1					
Enteritis, chronic.....	1		1									
Enterocolitis, acute.....	1			1								
Enterocolitis, acute ¹	1								1			
Gastritis, acute.....	1		1									
Gastroenteritis, acute.....	3		1		2							
Hematemesis.....	2			2								
Hematemesis ¹	1								1			
Hemorrhoids.....	1			1								
Hemorrhoids ¹	2			1				1				
Hepatitis, acute.....	23	4	10	5	2	1		1				
Hepatitis, acute ¹	9	1	4		3			1				
Hepatitis, chronic.....	4		2					1				
Obstruction, intestinal, from external causes.....	46	6	20	5	5	5	3	1	1			
Obstruction, intestinal, from external causes ¹	2		1	1								
Obstruction, intestinal, from internal causes.....	10	1	6		2	1						
Obstruction, intestinal, from internal causes ¹	1			1								
Obstruction, intestinal, from spastic or paralytic causes.....	4	1	1	1				1				
Obstruction, intestinal, from spastic or paralytic causes ¹	19	2	9	1	1		3	1	1			
Obstruction, intestinal, n. e. c. ¹	2		1			1						
Pancreatitis, acute.....	26	2	5	5	1	6	5		2			
Pancreatitis, acute ¹	1			1								
Pancreatitis, chronic.....	1										1	
Parotitis.....	1	1										
Peritonitis, general, acute.....	16	5	6	2			1					
Peritonitis, general, acute ¹	258	69	86	38	11	19	18	10	3	1	2	1
Peritonitis, general, chronic ¹	4		3					1				
Peritonitis, local, acute.....	1							1				
Peritonitis, local, acute ¹	17	3	5	1	3	1	1	2		1		
Sprue.....	1											
Stenosis, pylorus ¹	1						1					
Stomatitis, n. e. c. ¹	1		1									
Ulcer, duodenum.....	14		2	1		1	4	2	2		1	
Ulcer, duodenum, perforated.....	25	2		3	3	3	7	6				1
Ulcer, intestine, n. e. c. ¹	4		1	1		1		1				
Ulcer, intestine, n. e. c. ¹	2				1							
Ulcer, stomach.....	7		1		1	1			1	2	1	
Ulcer, stomach ¹	1					1						
Ulcer, stomach, perforated.....	20	1	4	2	1	7	4	1				
Ulcer, stomach, perforated ¹	1					1						
Other diseases of the class ¹	1						1					
CLASS IV												
DISEASES OF DUCTLESS GLANDS AND SPLEEN (ENDOCRINES)												
Primary causes.....	45	10	15	6	6	3	3		2			
Secondary causes ¹	5	1	4									
Addison's disease.....	8	4	2		1	1						
Diabetes mellitus.....	33	6	12	6	4	1	3		1			
Diabetes mellitus ¹	2		2									
Goiter, adenomatous.....	1				1							
Hyperthyroidism.....	3		1			1			1			
Persistent thymus gland ¹	2	1	1									
Thyroiditis, chronic ¹	1		1									
CLASS V												
DISEASES OF EAR, NOSE, AND THROAT												
Primary causes.....	74	18	28	12	11	3	1	1				
Secondary causes ¹	29	6	11	5	4	2	1					
Abscess, peritonsillar.....	7	4		2	1							
Abscess, peritonsillar ¹	2		1		1							

See footnote at end of table

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 and over
DISEASES—Continued												
CLASS V—Continued												
DISEASES OF EAR, NOSE, AND THROAT—continued												
Angina, Ludwig's ¹	9		4	2	2	1						
Angina, Ludwig's ¹	2		1	1								
Deviation, nasal septum ¹	1		1									
Deviation, nasal septum ¹	1		1									
Edema, glottis ¹	1											
Edema, glottis ¹	12	4	3	1	2	1	1					
Mastoiditis, acute ¹	9	1	4	1	3							
Mastoiditis, acute ¹	3	1	2									
Mastoiditis, chronic ¹	3	1	1	1								
Mastoiditis, chronic ¹	1		1									
Otitis media, acute ¹	7	2	2	1		1		1				
Otitis media, acute ¹	1		1									
Otitis media, chronic ¹	6	5	1									
Pansinusitis ¹	4	1	1	1	1							
Pansinusitis ¹	1			1								
Pharyngitis, chronic ¹	1				1							
Sinusitis, ethmoidal ¹	3	1	1									
Sinusitis, ethmoidal ¹	1		1									
Sinusitis, frontal ¹	5		4		1							
Sinusitis, frontal ¹	2			1		1						
Sinusitis, maxillary ¹	1				1							
Sinusitis, maxillary ¹	1	1										
Sinusitis, sphenoidal ¹	1	1										
Tonsillitis, chronic ¹	14	2	8	2		1	1					
Tonsillitis, chronic ¹	1				1							
Other diseases of the class ¹	2		1	1	2							
Other diseases of the class ¹	1			1	1							
CLASS VI												
DISEASES OF EYE AND ADNEXA												
Primary causes.....												
Secondary causes ¹	1		1									
Choroiditis ¹	1		1									
CLASS VII												
DISEASES OF GENITO-URINARY SYSTEM (NONVENEREAL)												
Primary causes.....	162	29	54	22	26	13	11	1	4	2		
Secondary causes ¹	79	15	24	9	13	7	4	3	2	1	1	
Abscess, perinephritic ¹	1	1										
Calculus:												
Kidney(s) ¹	8	2	1	2	1		2					
Ureter(s) ¹	2			2								
Ureter(s) ¹	1				1							
Enlargement, prostate ¹	1											
Epididymitis, chronic, nonvenereal ¹	1									1		
Hematuria.....	1		1									
Hydronephrosis.....	2		1						1			
Hydronephrosis ¹	4	1	1	1	1							
Nephritis, acute.....	82	20	26	10	10	5	7	1	1	2		
Nephritis, acute ¹	46	10	19	3	6	6	1	1				
Nephritis, chronic.....	51	4	17	8	12	7	2	1	1			
Nephritis, chronic ¹	2											
Nephrosis ¹	5		2	1	1	1						
Orchitis, acute, nonvenereal ¹	1	1										
Paraphimosis.....	1	1										
Phimosis.....	3	1	2									
Pyelitis, acute.....	1		1									
Pyelitis, acute ¹	1		1									
Pyelitis, chronic ¹	1	1										
Pyelonephritis.....	6		3		2				1			
Pyelonephritis ¹	2			1			1					
Pyonephrosis.....	1		1									
Pyonephrosis ¹	2		1				1					
Redundant prepuce.....	2	1	1									
Redundant prepuce ¹	1							1				
Stricture, urethra.....	1					1						
Stricture, urethra ¹	2			1					1			
Suppression, urine ¹	6	1	1	1		2			1			
Other diseases of the class ¹	1				1							
Other diseases of the class ¹	2				2							

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	45-54	55-59	60-64	65 and over
DISEASES—Continued												
CLASS VIII												
COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES												
Primary causes.....	837	242	275	131	71	63	26	13	9	4	2	1
Secondary causes ¹	243	75	93	31	10	13	11	3	4	2	1	
Angina, Vincent's.....	2		2									
Angina, Vincent's ¹	1		1									
Bronchitis, acute.....	1		1									
Catarrhal fever ¹	1		1									
Cerebrospinal fever, meningococcic.....	166	58	67	21	9	6	4				1	
Cerebrospinal fever, meningococcic ¹	2	1					1					
Chickenpox.....	1	1										
Diphtheria.....	20	9	9	1		1						
Encephalitis, lethargic.....	5	2	2					1				
German measles.....	3	1	1	1								
Influenza.....	13		7	2	3				1			
Influenza ¹	1	1										
Measles.....	18	11	4	3								
Mumps.....	4	3			1							
Mumps ¹	1		1									
Pharyngitis, acute.....	3		2	1								
Pneumonia, broncho.....	161	40	56	23	17	10	6	4	3	1	1	
Pneumonia, broncho ¹	181	51	76	22	5	10	9	3	2	2	1	
Pneumonia, lobar.....	185	51	47	26	17	23	11	5	2	2		1
Pneumonia, lobar ¹	51	20	12	8	5	3	1		2			
Pneumonia, primary, atypical, etiology unknown.....	77	9	26	23	7	5	4	1	1	1		
Pneumonia, primary, atypical, etiology unknown ¹	2		1	1								
Poliovmyelitis, anterior, acute.....	82	21	35	15	5	5		1				
Scarlet fever.....	66	29	12	10	5	7		1	2			
Septic sore throat.....	18	4	2	3	3	5	1					
Tonsillitis, acute.....	9	2	1	2	3	1						
Tonsillitis, acute ¹	1	1										
Tracheobronchitis, acute.....	2	1			1							
Tracheobronchitis, acute ¹	2	1	1									
Other diseases of the class.....	1		1									
CLASS IX												
COMMUNICABLE DISEASES TRANSMISSIBLE BY INTESTINAL DISCHARGES												
Primary causes.....	18	6	4	5	2		1					
Secondary causes ¹	1		1									
Dysentery, bacillary.....	12	4	1	4	2		1					
Dysentery, bacillary ¹	1		1									
Paratyphoid fever.....	1			1								
Typhoid fever.....	5	2	3									
CLASS X												
COMMUNICABLE DISEASES TRANSMISSIBLE BY INSECTS AND OTHER ARTHROPODS												
Primary causes.....	118	16	44	26	13	10	3	5	1			
Secondary causes ¹	6		5						1			
Blackwater fever.....	1				1							
Blackwater fever ¹	2		2									
Dengue.....	4		2	1			1					
Malaria, benign tertian.....	19	5	10	3		1						
Malaria, malignant tertian.....	53	7	19	10	8	5		3	1			
Malaria, malignant tertian ¹	2		2									
Malaria, mixed.....	4	1	3									
Malaria, quartan.....	1								1			
Malaria, unspecified type.....	6	2	1	2		1						
Malaria, unspecified type ¹	1		1									
Rocky Mountain spotted fever group.....	1						1					
Typhus fever.....	30	1	9	10	4	3	1	2				
CLASS XI												
TUBERCULOSIS, ALL FORMS												
Primary causes.....	338	56	132	69	29	20	11	9	3	3	4	2
Secondary causes ¹	13	3	7	1				1		1		
Tuberculosis, pulmonary, reinfection, active, far-advanced.....	189	26	74	34	16	13	6	8	3	3	4	2
Tuberculosis, pulmonary, reinfection, active, moderately advanced.....	9	1	3	3	1	1						
Tuberculosis, n. e. c.:.....												
Adrenal glands.....	1				1							
Bones and joints.....	5	1	2	1	1							
Intestines, peritoneum, and mesenteric glands.....	7	1	4		1			1				
Intestines, peritoneum, and mesenteric glands ¹	2		1							1		
Kidney(s).....	3	2					1					

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All Ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS XI—Continued												
TUBERCULOSIS, ALL FORMS—continued												
Tuberculosis, n. e. c.—Continued												
Lungs, n. e. c.	49	11	21	10	2	4	1					
Meninges	15	4	5	4	1		1					
Meninges ¹	9	2	6	1								
Multiple	58	10	22	16	6	2	2					
Multiple ¹	1	1										
Other or unspecified site	2		1	1								
Other or unspecified site ¹	1							1				
CLASS XII												
VENEREAL DISEASES												
Primary causes	10	1	2	3			3				1	
Secondary causes ¹	22	8	7	2	2	2	1					
Cerebrospinal syphilis, undifferentiated	1						1					
Gonococcus infection, joint ¹	1			1								
Gonococcus infection, urethra ¹	10	4	5	1								
Gonococcus infection, n. e. c.: Endocardium	1	1										
Neurosyphilis, serological	1						1					
Neurosyphilis, serological ¹	1					1						
Syphilis, early and n. e. c.	7		2	3			1				1	
Syphilis, early and n. e. c. ¹	10	4	2		2	1	1					
CLASS XIII												
OTHER DISEASES OF THE INFECTIOUS TYPE												
Primary causes	179	62	69	22	10	7	6	1	2			
Secondary causes ¹	111	24	37	22	9	9	5	4		1		
Abscess, n. e. c.:												
Appendiceal	3	1	1	1								
Intra-abdominal, n. e. c.	1		1									
Intra-abdominal, n. e. c. ¹	5		2		2		1					
Liver	6		4				1		1			
Liver ¹	4	1	1					2				
Lung(s)	5		1	1	1	1	1					
Lung(s) ¹	11	1	2	3	1	2	1			1		
Mediastinum	1			1								
Other and unspecified site	8	3	3			1		1				
Other and unspecified site ¹	3		1	2								
Anthrax	1		1									
Cellulitis:												
Arm(s)	1				1							
Buttock(s)	1			1								
Face	1											
Forearm(s)	1	1										
Multiple	1			1								
Neck	5		2	3								
Neck ¹	3		1	1			1					
Thigh(s)	1				1							
Thorax	1		1				1					
Dysentery, n. e. c.	1						1					
Erysipelas	1					1						
Fever, cause undetermined	2		2									
Food intoxication, botulism	1				1							
Furuncle:												
Face ¹	1		1									
Multiple	1		1									
Multiple ¹	1		1									
Gangrene, infective ¹	4	1	1	1		1						
Gas bacillus infection ¹	15	3	6	3	1	1	1					
Jaundice, acute infectious	5	1	3	1								
Jaundice, acute infectious ¹	2			2								
Jaundice, epidemic, Weil's disease	4	1	3									
Mediastinitis	1		1									
Mediastinitis ¹	1		1									
Pyemia ¹	5	1	1	2			1					
Rheumatic fever	56	29	20	5	1	1						
Rheumatic fever ¹	5	3	1									
Septicemia	62	25	20	6	5	3	2		1			
Septicemia ¹	45	12	17	7	4	3		2				
Tetanus	2		2									
Tetanus ¹	1					1						
Toxemia, bacterial ¹	5	2	1	1		1						
Undulant fever	1		1									
Vaccinia	1			1								
Other diseases of the class	4	1	2				1					

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 and over
DISEASES—Continued												
CLASS XIV												
DISEASES OF LYMPHATIC SYSTEM												
Primary causes.....	64	8	26	10	7	3	3	5	1		1	
Secondary causes ¹	2	2										
Hodgkin's disease.....	47	3	17	8	7	2	3	5	1		1	
Lymphadenitis: Mesenteric.....	1		1									
Status lymphaticus.....	15	5	7	2		1						
Status lymphaticus ¹	2	2										
Other diseases of the class.....	1		1									
CLASS XV												
DISEASES OF MIND												
Primary causes.....	36	5	17	2	6	4		1	1			
Secondary causes ¹	717	70	216	138	116	89	48	21	10	5	4	
Dementia paralytica.....	3				1			1	1			
Dementia paralytica ¹	1					1						
Paranoia ¹	1				1							
Personality disorder.....	1		1									
Personality disorder ¹	5				1							
Psychoneurosis, anxiety.....	2		2									
Psychoneurosis, anxiety ¹	9		1	1	3	1	2	1				
Psychoneurosis, hysteria.....	1		1									
Psychoneurosis, hysteria ¹	3		1		2							
Psychoneurosis, neurasthenia ¹	2				1	1						
Psychoneurosis, obsessive-compulsive ¹	1							1				
Psychoneurosis, n. e. c......	1			1								
Psychoneurosis, n. e. c. ¹	16	3	3	2	3	4	1					
Psychosis, drug.....	1		1									
Psychosis, epileptic ¹	1			1								
Psychosis, manic-depressive.....	2				1	1						
Psychosis, manic-depressive ¹	23	1	6	4	4	5	3					
Psychosis with organic brain disease ¹	1										1	
Psychosis with psychopathic inferiority ¹	1					1						
Psychosis, n. e. c.....	8	1	4	1	1	70	19	9	5	3		
Psychosis, n. e. c. ¹	588	58	180	113	94	113	37	19	9	5	3	
Reactive depression ¹	7		2	1		1	2		1			
Schizoid personality.....	1		1									
Schizoid personality ¹	11	2	3	2			2					
Schizophrenia.....	16	4	7		2	1	3					
Schizophrenia ¹	46	6	15	14	6	4	1					
Other diseases of the class ¹	1		1									
CLASS XVI												
DISEASES OF MOTOR SYSTEM												
Primary causes.....	3	1	1	1								
Secondary causes ¹	4		1	1		1	1					
Abscess, joint: Elbow(s).....	1	1										
Arthritis, chronic: Intervertebral.....	1			1								
Arthritis, chronic: Cervical ¹	1						1					
Osteomyelitis:												
Skull.....	1		1									
Skull ¹	2		1	1								
Synovitis, suppurative: Knee(s) ¹	1					1						
CLASS XVII												
DISEASES OF NERVOUS SYSTEM												
Primary causes.....	414	74	135	60	37	43	21	17	11	8	3	5
Secondary causes ¹	131	24	51	26	15	7	3	2	2	1		
Abscess, brain.....	45	8	17	8	4	6	1	1				
Abscess, brain ¹	48	12	19	8	6	3						
Chorea, n. e. c. ¹	1						1					
Encephalitis, acute.....	55	8	30	8	3	4	1			1		
Encephalitis, acute ¹	27	3	14	5	1	2	1	1				
Encephalitis, chronic.....	4	1	1	1	1							
Epilepsy, n. e. c. ¹	5	2		1		2						
Epilepsy, n. e. c. ¹	2		1	1								
Hemiplegia, old ¹	1						1					
Hemorrhage, cerebellum.....	7	1	3			2	1					
Hemorrhage, cerebellum ¹	2		1									
Hemorrhage, cerebral.....	146	14	32	17	16	16	15	14	8	6	3	5
Hemorrhage, cerebral ¹	16	1	4	5	1	1	1	1	1	1		
Hemorrhage, medulla.....	1											
Hemorrhage, pons.....	6	1	1	2		1	1					
Hemorrhage, subdural.....	12	3		5	2	2						
Hydrocephalus.....	2			1								
Meningitis, cerebral.....	14	4	6	2	1	1						
Meningitis, cerebral ¹	9	3	2	3	1							
Meningitis, cerebrospinal, acute.....	99	30	41	13	5	5	2	1	1	1		

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS XVII—Continued												
DISEASES OF NERVOUS SYSTEM—continued												
Meningitis, cerebrospinal, acute ¹	12	3	4	1	3	1						
Meningitis, cerebrospinal, chronic.....	3	1			1	1						
Meningitis, cerebrospinal, chronic ¹	2		2									
Myelitis, disseminated.....	1		1									
Myelitis, transverse.....	2							1	1			
Myelitis, transverse ¹	8		4	2	2							
Neuritis, multiple ¹	1			1								
Pachymeningitis, spinal.....	1				1							
Paralysis, ascending, acute.....	3	1	1	1								
Paralysis: Glossopharyngeal nerve ¹	1				1							
Sclerosis, amyotrophic lateral.....	1					1						
Sclerosis, combined.....	1				1							
Sclerosis, disseminated.....	1											
Syringomyelia.....	4		2	1	1	1						
Other diseases of the class.....	4											
Other diseases of the class ¹	1	1										
CLASS XVIII												
DISEASES OF RESPIRATORY SYSTEM												
Primary causes.....	59	10	12	7	13	6	5	3	2	1		
Secondary causes ¹	122	20	43	28	12	5	4	4	4	1	1	
Asthma.....	7		1		1	1	1	2		1		
Asthma ¹	4			1	1		1		1			
Atelectasis.....	4		1	1		1						
Atelectasis ¹	10	1	5		3				1			
Bronchiectasis.....	4	1	1		2							
Bronchiectasis ¹	5	1	2	1			1					
Bronchitis, chronic.....	2								1			
Bronchitis, chronic ¹	1								1			
Congestion, lung, acute ¹	3			2								
Edema, lung.....	10	1	3		3		1	2	1			
Edema, lung ¹	50	7	18	15	5	2					1	
Emphysema, pulmonary.....	2				1		1					
Emphysema, pulmonary ¹	1									1		
Hemoptysis.....	1				1							
Hemothorax.....	1											
Hemothorax ¹	3	1	2									
Pleurisy, fibrinous, acute.....	1	1						1				
Pleurisy, fibrinous, acute ¹	1											
Pleurisy, serofibrinous.....	5	3				1						
Pleurisy, serofibrinous ¹	4		1	2								
Pleurisy, suppurative.....	12	3	2	1	5		1					
Pleurisy, suppurative ¹	16	4	6	2	1		2					
Pneumonia, chronic, interstitial.....	1											
Pneumonia, hypostatic ¹	12	3		3	2			1	1			
Pneumonitis, acute.....	6			2		3						
Pneumonitis, acute ¹	3	1	2									
Pneumopyothorax.....	1		1									
Pneumothorax.....	1			1								
Pneumothorax ¹	6	1		1								
Stenosis, trachea ¹	2		2									
Other diseases of the class.....	1		1									
Other diseases of the class ¹	1			1								
CLASS XIX												
DISEASES OF SKIN, HAIR, AND NAILS												
Primary causes.....	3	1	1	1								
Secondary causes ¹	4		2			1	1					
Ingrowing nail ¹	1		1									
Lupus erythematosus.....	3	1	1	1								
Lupus erythematosus ¹	1						1					
Pruritus: Anus ¹	1											
Ulcer, decubital ¹	1		1									
CLASS XX												
HERNIAE												
Primary causes.....	15		5	1	2	2	1	2	1	1		
Secondary causes ¹	7		3		1	2		1				
Hernia, diaphragmatic.....	1		1									
Hernia, inguinal, direct.....	4		1		2			1				
Hernia, inguinal, direct ¹	1					1						
Hernia, inguinal, indirect.....	3			1			1	1				
Hernia, inguinal, indirect ¹	2		1		1							
Hernia, intervertebral disc.....	1					1						
Hernia, recurrent, after operation.....	1											
Hernia, strangulated.....	4		3							1		
Hernia, umbilical.....	1											

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	45- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS XX—Continued												
HERNIAE—continued												
Hernia, umbilical ¹	3		2			1						
Hernia, ventral ¹	1							1				
CLASS XXI												
MISCELLANEOUS DISEASES AND CONDITIONS												
Primary causes.....	101	12	22	20	14	12	11	5	2		2	1
Secondary causes ¹	87	10	34	5	9	13	9	4	2	1		
Absence, acquired:												
Kidney.....	1		1									
Lower extremity (ies).....	2		2									
Lower extremity (ies) ¹	5	2	2	1								
Upper extremity (ies).....	1		1									
Upper extremity (ies) ¹	1											
Alcoholism, acute.....	22	2	6	1	2	5	4	1	1			
Alcoholism, acute ¹	20	2	8	1	2	6	1					
Alcoholism, chronic ¹	1						1					
Amyloid disease, multiple.....	1							1				
Anaphylaxis.....	1				1							
Anaphylaxis ¹	1		1									
Atrophy:												
Adrenal glands.....	1			1								
Brain ¹	1						1					
Delirium, alcoholic.....	2			1			1					
Diabetes insipidus.....	1		1									
Diverticulum: Sigmoid colon.....	1						1					
Drug addiction.....	1	1										
Fatigue, combat ¹	2		1						1			
Fatigue, operational ¹	1					1						
Foreign body, nontraumatic: Bronchi.....	1				1							
Gangrene, n. e. c.:												
Intestine(s).....	2						2					
Intestine(s) ¹	3	1	1		1							
Liver ¹	1		1									
Lower extremity (ies) ¹	1		1									
Hemochromatosis.....	1							1				
Hemorrhage, n. e. c.:												
Gastrointestinal.....	3				1	1		1				
Gastrointestinal ¹	15		4	1	2	2	4	1	1			
Intra-abdominal.....	3	1					1				1	
Intra-abdominal ¹	8		3		1	2	1			1		
Intracranial.....	22	4	6	5	5	2						
Intracranial ¹	7	1	4			1		1				
Pulmonary.....	3		1		1	1						
Pulmonary ¹	2		1					1				
Other and unspecified site.....	1		1									
Other and unspecified site ¹	4	2		1	1							
Infarction:												
Coronary artery ¹	1						1					
Heart.....	2			1	1							
Kidney(s) ¹	1				1							
Lung(s).....	5	1	1			1	1				1	
Lung(s) ¹	5		3	1				1				
Myocardium.....	1							1				
Pulmonary artery ¹	1		1									
Unspecified site.....	1		1									
Malnutrition.....	1			1								
Malnutrition ¹	1		1									
Necrosis:												
Liver ¹	1		1									
Pancreas.....	1				1							
Unspecified site ¹	1		1									
Obesity ¹	2				1	1						
Rupture, nontraumatic:												
Aorta.....	3			1			1				1	
Colon.....	1	1										
Esophagus.....	1								1			
Spleen.....	2			1								
Shock.....	1						1					
Tetany.....	1	1										
Tetany ¹	1	1										
Ulcer, n. e. c.: Sigmoid colon.....	1		1									
Other diseases and conditions of the class.....	10	1		8	1							
CLASS XXII												
PARASITIC DISEASES (FUNGI AND CERTAIN ANIMAL PARASITES)												
Primary causes.....	19	1	5	3	4	4	1	1				
Secondary causes ¹	2		2									
Abscess, amebic:												
Liver.....	4			2	1		1					
Liver ¹	1		1									

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All Ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS XXII—Continued												
PARASITIC DISEASES (FUNGI AND CERTAIN ANIMAL PARASITES)—continued												
Actinomycosis, lung.....	1					1						
Amebiasis.....	2			1		1						
Blastomycosis.....	1		1									
Coccidioidal granuloma.....	6	1	2		1	1		1				
Dysentery, amebic.....	4		2		1	1						
Hookworm disease ¹	1		1									
Schistosomiasis, intestinal.....	1				1							
CLASS XXIII												
TUMORS												
Primary causes.....	714	57	176	104	86	85	57	67	38	24	15	5
Secondary causes ¹	3	2			1							
Benign.....	29	3	12	6	2	3	2		1			
Primary causes.....	26	1	12	6	1	3	2		1			
Secondary causes ¹	3	2			1							
Adenoma:												
Colon.....	1			1								
Pituitary gland ¹	1				1							
Chondroma:												
Lung(s).....	1						1					
Stomach.....	1			1								
Cyst, n. e. c.: Brain.....	2		2									
Hemangioma:												
Brain.....	1						1					
Heart.....	1								1			
Nose.....	1		1									
Hematoma, nontraumatic:												
Jejunum ¹	2	2										
Neck.....	1											
Meningioma.....	6		2	2		2						
Neuroma: Acoustic nerve.....	1			1								
Papilloma: Brain.....	1		1									
Teratoma:												
Lung(s).....	1				1							
Mediastinum.....	1			1								
Tumor, mixed, benign:												
Adrenal glands.....	2		1			1						
Brain.....	2	1	1									
Liver.....	1		1									
Mediastinum.....	1		1									
Parotid gland.....	1		1									
Malignant.....	685	56	164	96	84	82	55	67	37	24	15	5
Primary causes.....	685	56	164	96	84	82	55	67	37	24	15	5
Secondary causes ¹												
Adenocarcinoma:												
Bladder and urethra.....	1				1							
Intrathoracic, n. e. c.....	1									1		
Kidney(s).....	3				2							
Large intestine(s).....	32	1	4	3	6	5	2	5	1	3		2
Liver.....	4		1								1	
Lung and bronchi.....	5			1		1	1	1	1	1		
Nervous system and meninges.....	1											
Pancreas.....	7							1		2	2	
Rectum.....	12		2	1	3		1	2	1	2		
Small intestine(s).....	3			1		2						
Stomach.....	6	1	1	2			1	1				
Testicle(s).....	4			2	2							
Thyroid gland.....	1		1									
Carcinoma:												
Bladder and urethra.....	8				1	1	3		1		2	
Breast(s).....	1										1	
Esophagus.....	6				1				3			
Intra-abdominal.....	6		2		1	2		1				
Intrathoracic, n. e. c.....	4			1	1						1	
Kidney(s).....	16	1	3		1	2	2	4	1	1	1	
Large intestine(s).....	31	1	7	2	2	8	2	5	2	1	1	
Larynx.....	2						1					
Liver.....	14	1		3	3		1	1	3		1	
Lung and bronchi.....	73	4	2	10	10	16	11	6	6	5	3	
Nervous system and meninges.....	1					1						
Nose.....	5		1	1	2	1						
Pancreas.....	12			2	1	2	1	4		2		
Prostate.....	4							1	1			1
Rectum.....	14	1	2	2	3	2	1		2	1		1
Skin.....	4		1	1								
Small intestine.....	1											
Stomach.....	51	1	6	6	4	9	6	11	4	3		1

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
DISEASES—Continued												
CLASS XXIII—Continued												
TUMORS—continued												
Carcinoma—Continued												
Testicle(s).....	16		6	8	1		1			2		
Tongue and buccal cavity.....	7		1			1		3				
Other and unspecified site.....	2		1								1	
Chorioepithelioma.....	1			1								
Endothelioma:												
Liver.....	1		1									
Small intestine.....	1		1									
Epithelioma:								1				
Lip(s).....	1											
Pharynx.....	1		1									
Glioma:												
Brain.....	65	7	18	9	12	7	3	6	3			
Cerebellum.....	1						1					
Spinal cord.....	1		1									
Lymphoma:					1							
Mediastinum.....	5	1	3									
Mesentery.....	1					1						
Lymphosarcoma:												
Axilla.....	2		1	1								
Intra-abdominal.....	11	1	3	1	1	1	1	1	2			
Intrathoracic, n. e. c.....	16	3	5	4	2		1		1			
Large intestine(s).....	2	1	1									
Pelvic region.....	1			1								
Stomach.....	2	1	1									
Tongue and buccal cavity.....	1	1										
Other and unspecified site.....	11	2	1	2	2	2			2			
Melanoma:												
Breast(s).....	1			1								
Lip(s).....	2			1		1						
Nervous system and meninges.....	2			1		1						
Tongue and buccal cavity.....	1	1										
Upper arm(s).....	13	1	2	2	3	3	1	1				
Other and unspecified site.....	4			1	2				1			
Myeloma, multiple.....	9	1	2		1	2	1	2				
Neuroblastoma:												
Intra-abdominal, n. e. c.....	4		1	1		1			1			
Nervous system and meninges.....	2		1			1						
Sarcoma:												
Bladder and urethra.....	1		1									
Bone.....	26	2	13	6	1	1	2	1				
Intra-abdominal.....	12	1	8	1	1		1					
Intrathoracic, n. e. c.....	5	2	3									
Kidney(s).....	1							1				
Liver.....	1	1										
Lung and bronchi.....	1	1										
Nervous system and meninges.....	2		2									
Prostate.....	1	1										
Rectum.....	1			1								
Small intestine.....	1		1									
Stomach.....	1								1			
Testicle(s).....	1		1									
Other and unspecified site.....	20	4	10	1	1	1	2	1				
Teratoma: Testicle(s).....	46	4	21	10	7	2	2					
Tumor, mixed, activity unknown:												
Intrathoracic, n. e. c.....	3	1	1					1				
Nervous system and meninges.....	15		10	1	1	1	1	1				
Other and unspecified site.....	1						1					
Tumor, mixed, malignant:												
Bone.....	2			1		1						
Intra-abdominal.....	1		1									
Intrathoracic, n. e. c.....	2	2										
Kidney(s).....	2		1	1								
Lung and bronchi.....	1							1				
Nervous system and meninges.....	10	2	2	1	2	1	2					
Testicle(s).....	5	1	2	1	1							
Tongue and buccal cavity.....	1	1										
Other and unspecified site.....	2	1	1									
Other.....	3			2	1							
Primary causes.....	3			2	1							
Secondary causes ¹												
Unspecified as to benign or malignant.....	3			2	1							
CLASS XXVII												
DENTAL DISEASES AND CONDITIONS												
Primary causes.....												
Secondary causes ¹	1		1									
Tooth, unerupted ¹	1		1									

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
INJURIES												
CLASS XXV												
INJURIES												
Primary causes.....	21,845	3,359	11,338	4,200	1,513	849	355	145	52	22	12	.....
Secondary causes ¹	777	139	361	130	77	36	22	10	1	1	.....	.....
Amputation, traumatic:												
Arm(s).....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finger(s).....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lower extremity(ies).....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Thigh(s).....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leg(s).....	10	1	7	1	1	.....	.....	.....	.....	.....	.....	.....
Leg(s) ¹	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Multiple.....	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Asphyxiation.....	137	18	57	30	13	8	10	1	.....	.....	.....	.....
Asphyxiation ¹	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Avulsion:												
Skull.....	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Finger(s) ¹	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foot (feet).....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blast concussion, atmospheric:												
Thorax.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lung(s).....	7	2	5	.....	.....	.....	1	.....	.....	.....	.....	.....
Multiple.....	28	12	10	2	2	1	.....	1	.....	.....	.....	.....
Unspecified site.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Blast concussion, water:												
Thorax.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Abdomen.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Multiple.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unspecified site.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Unspecified site ¹	4	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burns chemical.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burns chemical ¹	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burns electricity.....	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burns n. e. c. ¹	656	102	348	121	44	29	8	4	.....	.....	.....	.....
Burns n. e. c. ¹	12	3	5	4	.....	.....	.....	.....	.....	.....	.....	.....
Caisson disease.....	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Caisson disease ¹	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Cold, general effects of.....	30	3	18	9	.....	.....	.....	.....	.....	.....	.....	.....
Cold, general effects of ¹	6	1	3	1	.....	1	.....	.....	.....	.....	.....	.....
Compression:												
Spinal cord.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Spinal cord ¹	5	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Neck.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thorax.....	8	3	4	.....	.....	1	.....	.....	.....	.....	.....	.....
Contusion:												
Head and scalp ¹	11	4	7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spinal cord.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thorax, n. e. c. ¹	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heart.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other and unspecified site ¹	6	.....	4	1	1	.....	.....	.....	.....	.....	.....	.....
Crush:												
Head and neck.....	76	12	39	17	2	2	4	.....	.....	.....	.....	.....
Thorax.....	116	21	55	16	12	7	2	1	.....	.....	.....	.....
Abdomen and pelvis.....	26	6	12	3	3	1	1	.....	.....	.....	.....	.....
Extremities.....	7	1	3	2	1	.....	.....	.....	.....	.....	.....	.....
Other and unspecified site.....	29	6	12	4	4	1	1	1	.....	.....	.....	.....
Decapitation.....	38	4	24	7	2	1	.....	.....	.....	.....	.....	.....
Deprivation of water.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deprivation of water ¹	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dislocation, n. e. c.:												
Vertebra(e).....	12	2	6	.....	2	1	.....	.....	1	.....	.....	.....
Vertebra(e) ¹	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Drowning.....	6,720	1,166	3,421	1,304	474	223	88	26	14	2	2	.....
Drowning ¹	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Electric shock.....	199	31	95	45	15	12	1	.....	.....	.....	.....	.....
Electric shock ¹	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Embolism, air:												
Cerebral arteries.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Pulmonary artery.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Multiple.....	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Embolism, fat: ¹												
Brain.....	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulmonary artery.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Multiple.....	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Emphysema, traumatic:												
Neck.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Neck ¹	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lung(s) ¹	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Exhaustion from overexertion.....	5	1	2	1	1	.....	.....	.....	.....	.....	.....	.....
Exhaustion from overexertion ¹	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exhaustion from overexposure.....	80	13	40	12	9	4	1	.....	1	.....	.....	.....
Exhaustion from overexposure ¹	5	1	3	1	.....	.....	.....	.....	.....	.....	.....	.....
Foreign body, traumatic: Neck.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fracture, compound:												
Bones of skull and face.....	938	156	448	167	76	57	23	8	1	1	1	.....
Bones of skull and face ¹	6	1	1	2	1	1	.....	.....	.....	.....	.....	.....
Vertebra(e).....	11	3	5	.....	2	.....	.....	1	.....	.....	.....	.....

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
INJURIES—Continued												
CLASS XXV—Continued												
INJURIES—continued												
Fracture, compound—Continued												
Humerus ¹	1		1									
Humerus ¹	2		1									
Radius and/or ulna.....	2		1									
Rib(s).....	8		4									
Rib(s) ¹	2		1									
Pelvis.....	5	1	3									
Pelvis ¹	1		1									
Lower extremity, n. e. c. ¹	5	1	2		1							
Lower extremity, n. e. c. ¹	5	3	1		1							
Femur.....	15	2	9		3				1			
Femur ¹	5	1	3									
Tibia and/or fibula.....	17	4	6		4		1	1				
Tibia and/or fibula ¹	8	1	2		4		1	1				
Other and unspecified site.....	35	4	25	2	1	2	1					
Other and unspecified site ¹	1		1									
Fracture, simple:												
Bones of skull and face.....	525	89	238	100	51	26	14	4	1	2		
Bones of skull and face ¹	21	4	10	3	1	3						
Vertebra(e).....	239	54	102	42	25	9	6		1			
Vertebra(e) ¹	7	3	2		1	1						
Humerus.....	1	1										
Radius.....	1											
Ribs and sternum.....	38	3	17	5	5	3	3			1		
Pelvis.....	18	1	8	4	1	2	1	1				
Lower extremity, n. e. c. ¹	2			1								
Lower extremity, n. e. c. ¹	2			1								
Femur.....	9	2	6		1							
Femur ¹	7	1	2	2	2							
Tibia and/or fibula.....	7	2	2	3	1	1	1					
Other and unspecified site.....	28	6	14	4	1	2	1					
Other and unspecified site ¹	3	1	2									
Heat exhaustion.....	9	1	4	2	1		1					
Heat exhaustion ¹	1		1									
Heat stroke.....	10		3	4	2		1					
Hematoma, subdural, chronic, traumatic.....	1		1									
Hematoma, traumatic:												
Brain and meninges.....	5	1	3			1						
Brain and meninges ¹	4		1	2	1							
Other and unspecified site.....	1	1										
Other and unspecified site ¹	2		1		1							
Hemorrhage, traumatic, n. e. c.:												
Intracranial and intraspinal.....	21	3	11	1	3	2	1					
Intracranial and intraspinal ¹	36	6	11	5	8	3	2	1				
Head and neck, n. e. c. ¹	28	5	13	4	3		1	2				
Pulmonary and intrathoracic.....	3		1	1	1							
Pulmonary and intrathoracic ¹	41	10	16	7	3	3	1	1				
Intra-abdominal, n. e. c. ¹	7	2	2	1	1	1	1					
Intra-abdominal, n. e. c. ¹	45	13	16	12	2	1	1					
Gastrointestinal tract ¹	1											
Other and unspecified site.....	1											
Other and unspecified site ¹	23	5	10	4	3	1						
Injuries, multiple, extreme.....	8,843	1,115	4,897	1,814	533	292	110	50	22	7	3	
Injuries, multiple, extreme ¹	1											
Injuries, type unknown.....	534	49	359	91	19	10	2	3	1			
Intracranial injury.....	544	108	260	86	44	27	14	3	1	1		
Intracranial injury ¹	236	35	117	45	18	11	6	3	1			
Intraspinal injury.....	15	2	12								1	
Intraspinal injury ¹	117	30	53	14	12	3	5					
Rupture, traumatic:												
Esophagus and stomach.....	3		2	1								
Heart.....	3	1	2									
Heart ¹	1				1							
Aorta.....	6	2	1		1		1			1		
Aorta ¹	1						1					
Liver.....	31	6	14	7	2	1	1	1				
Liver ¹	7	1	4		1					1		
Spleen.....	7	2	5									
Spleen ¹	6		4		2							
Pancreas.....	3		1	1				1				
Intestine.....	14	4	8		1		1	1				
Intestine ¹	1						1					
Bladder.....	3	2	1									
Bladder ¹	3		2		1							
Other and unspecified site.....	13	3	6	2		2						
Other and unspecified site ¹	5		1	3			1	1				
Smoke inhalation.....	21		10	7	1	2	1					
Starvation ¹	1		1									
Strangulation, respiratory.....	137	19	44	22	25	12	10	3		1	1	
Strangulation, respiratory ¹	1		1									
Submersion, nonfatal.....	2		1		1							
Submersion, nonfatal ¹	4											
Thermic fever, induced.....	8	2	4	2								
Wound, fragment:												
Head and face.....	28	5	17	5	1							
Neck.....	8	1	5		1		1					

See footnote at end of table.

APPENDIX TABLE 5b.—Deaths for men by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All Ages	Under 20	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65 and over
INJURIES—Continued												
CLASS XXV—Continued												
INJURIES—continued												
Wound, fragment:—Continued												
Thorax.....	32	6	16	7	2	1						
Abdomen and pelvis.....	18	4	9	2	2	1						
Extremities.....	3		3									
Multiple.....	88	22	43	13	6	4						
Wound, gunshot:												
Head and face.....	497	88	177	75	55	53	24	14	5	4	2	
Neck.....	33	9	17	4	2		1					
Thorax.....	327	67	136	56	20	24	9	9	3	2	1	
Abdomen and pelvis.....	172	49	72	35	10	4	2					
Extremities.....	13	2	8	2	1							
Multiple.....	67	9	33	8	8	5	2	2				
Unspecified site.....	9	1	4	3	1							
Wound, incised:												
Head and face.....	2		2									
Neck.....	12		2	2	5	1	1	1				
Neck ¹	1											
Thorax.....	17	4	7	3	1	3						
Thorax ¹	1											
Abdomen.....	8	2	3	3	1							
Extremities ¹	1											
Multiple.....	6	1	1		3			1				
Wound, infected: Ear.....	1							1				
Wound, lacerated:												
Head and face.....	2	1	1									
Head and face ¹	10		4	2	3		1					
Neck.....	8	2	2	1			1	1	1			
Neck ¹	2	1	1									
Thorax.....	1		1									
Abdomen and pelvis.....	4		2		1			1				
Abdomen and pelvis ¹	1		1									
Extremities.....	8		4	2		1	1					
Extremities ¹	1		1									
Multiple.....	4		2		1					1		
Multiple ¹	4		3	1								
Wound, punctured:												
Head and face.....	2		2									
Neck.....	10		6	3	1							
Thorax.....	43	11	15	6	4	5	1	1				
Thorax ¹	21	1	9	3	2	2	2	2				
Abdomen and pelvis.....	13	2	7	2	1		1					
Abdomen and pelvis ¹	1		1									
Extremities.....	4	2	1									
Extremities ¹	1		1									
Multiple.....	4	1	2		1							
Multiple ¹	4		2									
Wounds, multiple.....	28	2	22	3	1							
Wounds, multiple ¹	6	2	2	2								
Other injuries of the class.....	1	1										
Other injuries of the class ¹	19	2	12	4		1						
POISONINGS												
CLASS XXVI												
POISONINGS												
Primary causes.....	427	47	145	67	69	55	24	14	4	1	1	
Secondary causes ¹	63	15	25	13	5	3		1	1			
Poisoning, acute.....	391	37	132	64	66	50	22	14	4	1	1	
Poisoning, acute ¹	3		1		1	1						
Poisoning, anesthesia.....	3		1	1		1						
Poisoning, anesthesia ¹	46	13	20	8	3	1		1				
Poisoning, chronic.....	1					1						
Poisoning, therapeutic, acute.....	28	10	10	2	2	2	2					
Poisoning, therapeutic, acute ¹	14	2	4	5	1	1			1			
Poisoning, therapeutic, chronic.....	3		2			1						
War gas.....	1				1							

¹ Secondary cause of death.

APPENDIX TABLE 5c.—Deaths for women by age group, Navy and Marine Corps: 1942-45

Cause	All ages	20-24	25-29	30-34	35-39	40 and over
Total, primary causes.....	132	73	38	13	6	2
Diseases.....	48	28	12	6	2	1
Injuries.....	77	43	22	7	4	1
Poisonings.....	7	2	4			1
Total, secondary causes ¹	28	14	11	1		2
Diseases ¹	22	10	9	1		2
Injuries ¹	4	4				
Poisonings ¹	2		2			
DISEASES						
CLASS I						
DISEASES OF BLOOD						
Primary causes.....	4	3	1			
Secondary causes ¹						
Anemia, splenic.....	1	1				
Anemia, n. e. c.....	1	1				
Leukemia, acute.....	1	1				
Leukemia, chronic.....	1		1			
CLASS II						
DISEASES OF CIRCULATORY SYSTEM						
Primary causes.....	1			1		
Secondary causes ¹						
Valvular heart disease, aortic and mitral.....	1			1		
CLASS III						
DISEASES OF DIGESTIVE SYSTEM						
Primary causes.....	7	3	4			
Secondary causes ¹	5	1	3	1		
Appendicitis, acute.....	2		2			
Appendicitis, chronic.....	1		1			
Colitis, ulcerative.....	1	1				
Diverticulitis, intestinal.....	1	1				
Hepatitis, acute.....	1		1			
Obstruction, intestinal, from spastic or paralytic causes.....	1	1				
Peritonitis, general, acute ¹	5	1	3	1		
CLASS IV						
DISEASES OF DUCTLESS GLANDS AND SPLEEN. (ENDOCRINES.)						
Primary causes.....	1	1				
Secondary causes ¹						
Goiter, exophthalmic.....	1	1				
CLASS V						
DISEASES OF EAR, NOSE, AND THROAT						
Primary causes.....	2	1	1			
Secondary causes ¹						
Sinusitis, ethmoidal.....	1	1				
Tonsillitis, chronic.....	1		1			
CLASS VII						
DISEASES OF GENITO-URINARY SYSTEM (NONVENEREAL)						
Primary causes.....	1			1		
Secondary causes ¹						
Nephritis, acute.....	1			1		
CLASS VIII						
COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES						
Primary causes.....	15	12	2		1	
Secondary causes ¹	4	3	1			
Cerebrospinal fever, meningococcic.....	2	2				
Pneumonia, broncho.....	3	3				
Pneumonia, broncho- ¹	4	3	1			
Pneumonia, primary, atypical, etiology unknown.....	6	5	1			

See footnote at end of table.

APPENDIX TABLE 5c.—Deaths for women by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	20-24	25-29	30-34	35-39	40 and over
DISEASES—Continued						
CLASS VIII—Continued						
COMMUNICABLE DISEASES TRANSMISSIBLE BY ORAL AND NASAL DISCHARGES—continued						
Poliomyelitis, anterior, acute.....	1		1			
Scarlet fever.....	1	1				
Septic sore throat.....	2	1			1	
CLASS XI						
TUBERCULOSIS, ALL FORMS						
Primary causes.....	3	2	1			
Secondary causes ¹						
Tuberculosis, pulmonary, reinfection, active, far-advanced.....	1		1			
Tuberculosis, n. e. c.: Meninges.....	1	1				
Peritoneum.....	1	1				
CLASS XIII						
OTHER DISEASES OF THE INFECTIOUS TYPE						
Primary causes.....	1			1		
Secondary causes ¹						
Septicemia.....	1			1		
CLASS XIV						
DISEASES OF LYMPHATIC SYSTEM						
Primary causes.....	1	1				
Secondary causes ¹	1		1			
Status lymphaticus.....	1	1				
Status lymphaticus ¹	1		1			
CLASS XV						
DISEASES OF MIND						
Primary causes.....						
Secondary causes ¹	10	4	4			2
Psychoneurosis, anxiety ¹	1		1			
Psychosis, manic-depressive ¹	1	1				
Psychosis, n. e. c. ¹	3	1	2			
Reactive depression ¹	5	2	1			2
CLASS XVII						
DISEASES OF NERVOUS SYSTEM						
Primary causes.....	2	2				
Secondary causes ¹	2	2				
Abscess, brain ¹	1	1				
Choriomeningitis, benign lymphocytic.....	1	1				
Encephalitis, acute.....	1	1				
Meningitis, cerebral ¹	1	1				
CLASS XVIII						
DISEASES OF RESPIRATORY SYSTEM						
Primary causes.....	1	1				
Secondary causes ¹						
Pleurisy, fibrinous, acute.....	1	1				
CLASS XXIII						
TUMORS						
Primary causes.....	8	1	3	3	1	
Secondary causes ¹						
Benign:						
Primary causes.....	1			1		
Secondary causes ¹						
Cyst, n. e. c.: Ovary.....	1			1		
Malignant:						
Primary causes.....	7	1	3	2	1	
Secondary causes ¹						
Adenocarcinoma: Sigmoid colon.....	1		1			
Carcinoma, n. e. c.: Breast.....	1				1	
Cervix, uterus.....	1			1		
Colon.....	1		1			
Pancreas.....	1		1			
Glioma: Brain.....	1	1				
Melanoma: Inguinal glands.....	1		1			

See footnote at end of table.

APPENDIX TABLE 5c.—Deaths for women by age group, Navy and Marine Corps: 1942-45—Continued

Cause	All ages	20-24	25-29	30-34	35-39	40 and over
DISEASES—Continued						
CLASS XXIV						
FEMALE DISEASES AND CONDITIONS						
Primary causes	1	1				
Secondary causes ¹						
Abortion	1	1				
INJURIES						
CLASS XXV						
INJURIES						
Primary causes	77	43	22	7	4	1
Secondary causes ¹	4	4				
Burn, n. e. c.: Multiple	5	3	2			
Crush: Thorax	2	2				
Decapitation	1				1	
Drowning	3	2	1			
Fracture, compound: Skull	5	3	1	1		
Fracture, simple: Skull	6	5		1		
Hemorrhage, traumatic, n. e. c.: Lung(s) ¹	1	1				
Injuries, multiple, extreme	43	21	14	5	3	
Intracranial injury	4	3	1			
Intracranial injury ¹	3	3				
Rupture, traumatic: Liver	1		1			
Smoke inhalation	1	1				
Strangulation, respiratory	2		1			1
Wound, gunshot:						
Abdomen	2	2				
Heart	1		1			
Wounds, multiple	1	1				
POISONINGS						
CLASS XXVI						
POISONINGS						
Primary causes	7	2	4			1
Secondary causes ¹	2		2			
Poisoning, acute	7	2	4			1
Poisoning, anesthesia ¹	2		2			

¹ Secondary cause of death.

APPENDIX TABLE 5d.—Deaths, abridged table of selected diagnoses, with secondary causes of death,
Navy and Marine Corps: 1942-45

Cause of death		Total deaths
Primary	Secondary	
CLASS III		
Appendicitis, acute and chronic.....	Peritonitis, all types.....	246
	Poisoning, anesthesia, all types.....	152
	Embolism, all sites.....	20
	Obstruction, intestinal.....	19
	All other secondary causes.....	12
	No secondary cause.....	36
Obstruction, intestinal, from external causes.....		7
	Peritonitis, all types.....	46
	Pneumonia, all types.....	17
	All other secondary causes.....	5
	No secondary cause.....	10
Ulcer, duodenum.....		14
	Peritonitis, general, acute.....	39
	All other secondary causes.....	16
	No secondary cause.....	19
Ulcer, stomach.....		4
	Peritonitis, general, acute.....	27
	All other secondary causes.....	13
	No secondary cause.....	10
CLASS V		4
Otitis media.....		13
	Abscess, brain.....	5
	Septicemia.....	3
	Meningitis.....	2
	Mastoiditis, acute.....	1
	No secondary cause.....	2
Tonsillitis, chronic.....		15
	Abscess, peritonsillar.....	1
	Dilatation, cardiac, acute.....	2
	Edema, lung.....	1
	Hemorrhage, n. e. c.....	1
	Pneumonia, broncho.....	1
	Poisoning, anesthesia, all types.....	8
	Other secondary causes.....	1
CLASS VIII		
German measles.....	Pneumonia, all types.....	3
Measles.....		18
	Pneumonia, all types.....	16
	Encephalitis, acute.....	2
Mumps.....		4
	Encephalitis, acute.....	2
	Orchitis, acute, nonvenereal.....	1
	Pneumonia, broncho.....	1
Pneumonia, broncho.....		164
	Nephritis, acute.....	14
	Encephalitis, acute.....	8
	Mental conditions.....	7
	All other secondary causes.....	45
	No secondary cause.....	90
Pneumonia, lobar.....		185
	Pleurisy, all types.....	13
	All other secondary causes.....	47
	No secondary cause.....	125
Scarlet fever.....		67
	Pneumonia, all types.....	30
	Nephritis, acute.....	7
	All other secondary causes.....	17
	No secondary cause.....	13
CLASS XXV		
Burn, other than those due to chemicals and electricity.....		661
	Pneumonia and other pulmonary conditions.....	25
	All other secondary causes.....	29
	No secondary cause.....	607
Drowning.....		6,723
	Injuries.....	106
	Mental conditions.....	76
	All other secondary causes.....	11
	No secondary cause.....	6,530
Fracture, simple.....		874
Skull.....	Intracranial injury.....	517
	Hemorrhage, all types.....	188
	Pneumonia, all types.....	23
	All other secondary causes.....	6
	No secondary cause.....	20
		280

APPENDIX TABLE 5d.—Deaths, abridged table of selected diagnoses, with secondary causes of death,
Navy and Marine Corps: 1942-45—Continued

Cause of death		Total deaths
Primary	Secondary	
CLASS XXV—Continued		
Fracture, simple—Continued		
Vertebra(e) (all sites).....	Intraspinal injury.....	239
	Pneumonia, all types.....	92
	All other secondary causes.....	4
	No secondary cause.....	33
All other parts.....		110
	Embolism, all sites.....	118
	Pneumonia, all types.....	10
	All other secondary causes.....	9
	No secondary cause.....	68
Injuries, multiple, extreme.....		31
	Mental conditions.....	8,886
	Pneumonia, all types.....	32
	All other secondary causes.....	4
	No secondary cause.....	8
Strangulation, respiratory.....		8,842
	Mental conditions.....	139
	All other secondary causes.....	106
	No secondary cause.....	3
Wound, gunshot.....		30
	Mental conditions.....	1,121
	All other secondary causes.....	373
	No secondary cause.....	75
Wound, incised, lacerated, or punctured.....		673
	Mental conditions.....	148
	All other secondary causes.....	18
	No secondary cause.....	63
CLASS XXVI		67
Poisoning, acute.....		398
	Mental conditions.....	73
	All other secondary causes.....	7
	No secondary cause.....	318

APPENDIX TABLE 6.—Dental operations and treatments, Navy and Marine Corps: 1942-45

Operation or treatment	Number of cases				
	Total	1942	1943	1944	1945
Grand total.....	74,033,150	6,648,763	17,110,273	22,003,990	28,270,124
Operative procedures.....	39,617,360	3,024,100	11,706,505	12,205,694	12,681,061
Amalgam, simple.....	19,398,215	1,434,261	6,916,225	5,037,195	6,010,534
Amalgam, compound.....	8,095,483	636,804	1,901,971	2,732,270	2,824,438
Cement silicate.....	4,165,876	347,068	1,035,913	1,433,226	1,349,669
Gold inlay (not bridge abutments).....	14,025	903	3,077	5,300	4,745
Porcelain inlay.....	2,610	999	403	861	347
Intermediate bases.....	7,821,135	594,591	1,820,232	2,958,348	2,447,964
Pulps extirpated (teeth).....	55,303	4,744	13,661	17,762	19,136
Root canals filled (teeth).....	64,713	4,730	15,023	20,732	24,228
Oral surgery.....	4,650,058	353,227	1,145,486	1,708,715	1,442,630
Abscess (alveolar).....	105,990	13,676	28,350	35,378	28,586
Alveolectomy.....	154,692	2,802	19,525	78,474	53,891
Apicoectomy.....	26,453	1,202	5,744	9,964	9,543
Cysts, excised.....	33,599	4,235	9,260	12,165	7,939
Gingival flaps, excised.....	32,132	2,507	8,093	12,201	9,331
Gingivectomy, pyorrhea.....	12,348	939	2,964	4,587	3,858
Surgical removal of foreign body, residual roots or sequestrum.....	84,671	9,695	23,103	26,466	25,407
Teeth removed (simple, surgical, impacted, unerupted).....	4,200,173	318,171	1,048,447	1,529,480	1,304,075
Prosthetic restorations.....	761,656	32,473	125,207	308,281	295,695
Bridges.....	32,666	1,227	4,111	10,478	16,850
Bridges, repaired.....	9,800	1,139	3,468	5,193	.....
Crowns, gold, porcelain or acrylic.....	27,338	1,260	4,104	8,047	13,927
Crowns, repaired.....	12,306	284	699	839	10,484
Dentures, full (upper or lower).....	143,610	4,961	20,241	69,353	49,055
Dentures, partial (upper or lower).....	231,925	4,847	28,394	114,707	83,977
Dentures reconstructed, repaired or rebased.....	158,662	5,118	25,842	53,303	74,399
Recemented crowns, bridges, inlays.....	145,349	13,637	38,348	46,361	47,003

APPENDIX TABLE 6.—Dental operations and treatments, Navy and Marine Corps: 1942-45—Continued

Operation or treatment	Number of cases				
	Total	1942	1943	1944	1945
Treatments and oral hygiene.....	9,919,550	843,634	2,442,528	2,788,991	3,844,397
Fractures, jaw.....	154,968	15,788	40,717	46,625	51,838
Gingivitis, Vincent's and other.....	2,869,545	201,011	985,408	811,970	871,156
Necrosis, jaw.....	2,741	327	1,431	983	.....
Occlusion corrected.....	201,535	13,762	74,831	63,685	49,257
Osteomyelitis, jaw.....	9,297	889	2,529	2,988	2,891
Paradentosis (pyorrhea).....	150,589	18,111	67,591	64,887	.....
Pericoronitis.....	566,630	36,001	104,674	234,689	191,266
Postoperative.....	1,569,853	166,798	104,933	677,808	620,314
Pulpitis.....	58,890	6,050	15,785	16,312	20,743
Root canal.....	222,787	17,582	57,977	67,487	79,741
Sedative.....	1,912,013	112,097	272,605	781,925	745,386
Stomatitis.....	70,055	8,483	10,304	17,595	33,673
Abscess, incised.....	30,219	379	480	.....	29,360
Aphthae, treatment.....	1,059	312	747	.....	.....
Calculus, submaxillary, removed.....	20	1	19	.....	.....
Cellulitis, incised and drained.....	12,456	365	583	.....	11,508
Dentures adjusted.....	73,827	4,547	17,009	.....	52,271
All other unclassified treatments.....	2,013,066	241,131	684,905	2,037	1,084,993
Miscellaneous.....	19,084,526	2,395,329	1,690,547	4,992,309	10,006,341
Examinations (total).....	11,358,309	1,739,516	59,972	2,364,163	7,194,658
Röntgenograms:					
Intraoral.....	3,366,388	312,794	737,624	1,025,281	1,290,689
Extraoral.....	66,774	7,689	14,203	19,275	25,607
Other than dental.....	118,227	25,007	28,975	38,791	25,454
Anesthesia:					
General.....	53,892	7,220	12,514	19,485	14,673
Regional.....	4,120,936	303,103	837,259	1,525,314	1,455,260

APPENDIX TABLE 7.—Casualties due to enemy action by year and disposition: 7 December 1941 to 31 December 1946

Type of personnel	Disposition							
	Total	Total wounded	Wounded		Total dead	Dead		
			Returned to duty	Invalided from service		Killed in action	Died subsequently	Died prisoner of war
1941.....	2,776	735	686	49	2,041	1,995	21	25
Navy.....	2,592	671	629	42	1,921	1,879	19	23
Officer.....	132	38	38	.....	94	89	.....	5
Enlisted.....	2,460	633	591	42	1,827	1,790	19	18
Marine Corps.....	184	64	57	7	120	116	2	2
Officer.....	7	3	3	.....	4	4	.....	.....
Enlisted.....	177	61	54	7	116	112	2	2
1942.....	17,117	6,327	5,679	648	10,790	9,426	178	1,186
Navy.....	12,807	3,705	3,403	302	9,102	8,247	104	751
Officer.....	1,118	334	332	2	784	666	10	108
Enlisted.....	11,689	3,371	3,071	300	8,318	7,581	94	643
Marine Corps.....	4,310	2,622	2,276	346	1,688	1,179	74	435
Officer.....	319	146	143	3	173	119	3	51
Enlisted.....	3,991	2,476	2,133	343	1,515	1,060	71	384
1943.....	18,118	9,554	8,539	1,015	8,564	8,250	260	54
Navy.....	11,100	4,608	4,185	423	6,492	6,328	136	28
Officer.....	1,019	431	427	4	588	578	8	2
Enlisted.....	10,081	4,177	3,758	419	5,904	5,750	128	26
Marine Corps.....	7,018	4,946	4,354	592	2,072	1,922	124	26
Officer.....	475	268	266	2	207	197	4	6
Enlisted.....	6,543	4,678	4,088	590	1,865	1,725	120	20
1944.....	47,405	32,136	27,123	5,013	15,269	14,356	813	100
Navy.....	19,781	11,089	9,506	1,583	8,692	8,322	303	67
Officer.....	2,181	1,009	1,000	9	1,172	1,139	23	10
Enlisted.....	17,600	10,080	8,506	1,574	7,520	7,183	280	57
Marine Corps.....	27,624	21,047	17,617	3,430	6,577	6,034	510	33
Officer.....	1,536	1,014	1,002	12	522	493	21	8
Enlisted.....	26,088	20,033	16,615	3,418	6,055	5,541	489	25
1945.....	58,723	39,334	31,370	7,964	19,389	17,953	1,382	54
Navy.....	22,913	12,634	10,353	2,281	10,279	9,829	410	40
Officer.....	2,301	1,064	1,049	15	1,237	1,199	27	11
Enlisted.....	20,612	11,570	9,304	2,266	9,042	8,630	383	29
Marine Corps.....	35,810	26,700	21,017	5,683	9,110	8,124	972	14
Officer.....	1,811	1,201	1,177	24	610	546	63	1
Enlisted.....	33,999	25,499	19,840	5,659	8,500	7,578	909	13

APPENDIX TABLE 7.—*Casualties due to enemy action by year and disposition: 7 December 1941 to 31 December 1946—Continued*

Type of personnel	Disposition							
	Total	Total wounded	Wounded		Total dead	Dead		
			Returned to duty	Invalided from service		Killed in action	Died subsequently	Died prisoner of war
1946.....	67	64	43	21	3	3		
Navy.....	49	47	31	16	2	2		
Officer.....	4	4	4					
Enlisted.....	45	43	27	16	2	2		
Marine Corps.....	18	17	12	5	1	1		
Officer.....	3	3	3					
Enlisted.....	15	14	9	5	1	1		

APPENDIX TABLE 8.—*Casualties due to enemy action, incidence and sick days per case by method of disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946*

Diagnosis	Total		Duty		Killed in action ¹	Wounded, died subsequently		Invalided from service	
	Number	Sick days per case	Number	Sick days per case		Number	Sick days per case	Number	Sick days per case
All diagnoses.....	144,206	63.0	73,440	65.2	53,402	2,654	10.3	14,710	289.9
Abrasion.....	549	14.6	539	11.8		1	3.0	9	185.4
Head or neck.....	57	8.1	56	6.5			0	1	99.0
Eye.....	19	30.7	18	26.9			0	1	98.0
Trunk.....	36	8.7	35	8.8		1	3.0		0
Extremity.....	262	11.9	259	10.2			0	3	162.0
Other or multiple.....	175	20.4	171	15.1			0	4	246.5
Amputation, traumatic.....	668	216.5	171	156.1	100	30	15.4	367	320.0
Eye.....	4	167.0	1	170.0			0	3	166.0
Upper extremity, n. e. c.....	9	206.3	2	214.5		1	1.0	6	237.8
Upper arm.....	91	253.5	15	316.3	9	3	1.7	64	286.2
Forearm.....	17	180.8	3	241.0	2	1	1.0	11	213.6
Hand.....	25	245.3	9	224.4		3	7.7	13	314.6
Finger.....	165	148.0	91	99.6			0	74	207.4
Lower extremity, n. e. c.....	36	227.1	3	180.0	10	2	3.5	21	363.2
Thigh.....	27	330.0	5	308.4	2		0	20	368.4
Leg.....	211	247.3	21	204.8	57	16	25.7	117	405.8
Foot.....	33	265.3	6	199.0	4	2	4.5	21	359.6
Toe.....	25	220.2	13	136.8			0	12	310.4
Other or multiple.....	25	74.2	2	90.0	16	2	2.0	5	334.0
Asphyxiation.....	229	0.1	14	0.4	212	3	3.0		0
Avulsion.....	39	89.9	19	72.2	13		0	7	305.1
Bite.....	5	319.2	4	203.0			0	1	784.0
Blast concussion, atmospheric.....	4,939	64.7	3,532	49.2	593	30	7.7	784	186.0
Blast concussion, water.....	460	51.9	366	47.9	40	28	3.9	26	240.1
Burn, chemical.....	542	61.6	476	42.4	11	13	4.8	42	312.2
Burn, friction.....	139	6.4	139	6.4			0		0
Burn, n. e. c.....	6,695	52.6	4,551	50.2	1,317	355	7.8	472	256.6
Cold, general effects of.....	18	21.0	15	17.1	1	1	9.0	1	113.0
Contusion.....	2,940	39.6	2,761	27.5	2	3	5.3	174	232.8
Crush.....	97	54.3	44	56.0	38	6	7.2	9	307.1
Head.....	14	0.5		0	12	2	3.5		0
Trunk.....	19	29.7	8	53.2	7	3	2.0	1	133.0
Hand.....	18	35.3	17	27.5			0	1	168.0
Foot.....	15	172.5	9	58.9	1		0	6	342.8
Extremity, n. e. c.....	9	56.0	8	63.0	1		0		0
Other or multiple.....	22	44.1	2	267.5	18	1	30.0	1	406.0
Deafness due to heavy firing.....	891	84.2	352	68.0			0	539	94.8
Decapitation.....	89	0		0	89		0		0
Dislocation, articular cartilage, knee.....	102	108.5	91	100.2			0	11	177.2
Dislocation, chronic, recurrent.....	26	125.1	18	108.6			0	8	162.2
Shoulder.....	21	124.7	14	103.6			0	7	167.0
Other or multiple.....	5	126.8	4	126.2			0	1	129.0
Dislocation, compound.....	6	227.3	2	52.0			0	4	315.0
Dislocation, n. e. c.....	167	126.1	131	83.3			0	36	281.9
Jaw.....	4	26.2	4	26.2			0		0
Intervertebral.....	15	179.1	7	136.4			0	8	216.5
Shoulder.....	61	182.8	51	59.4			0	10	247.7
Elbow.....	13	114.5	11	93.4			0	2	230.0
Wrist.....	6	75.7	5	65.8			0	1	125.0
Hand.....	10	94.0	9	80.8			0	1	213.0
Hip.....	5	60.0	5	60.0			0		0
Knee.....	37	230.5	23	147.2			0	14	367.4
Ankle.....	7	44.7	7	44.7			0		0
Foot.....	3	89.7	3	89.7			0		0
Other or multiple.....	6	155.5	6	155.5			0		0
Drowning.....	1,572	0		0	1,572		0		0

See footnote at end of table.

APPENDIX TABLE 8.—*Casualties due to enemy action, incidence and sick days per case by method of disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Diagnosis	Total		Duty		Killed in action ¹	Wounded, died subsequently		Invalided from service	
	Number	Sick days per case	Number	Sick days per case		Number	Sick days per case	Number	Sick days per case
Exhaustion from overexertion.....	183	43.7	165	31.0	.....	0	.....	18	160.0
Exhaustion from overexposure.....	534	24.8	491	20.1	21	7	11.8	15	220.0
Foreign body, traumatic.....	529	58.3	469	40.8	.....	1	4.0	59	198.0
Face and neck.....	35	56.1	33	48.7	.....	0	.....	2	179.5
Eye.....	163	69.0	131	39.3	.....	0	.....	32	190.5
Trunk.....	77	48.1	68	40.6	.....	1	4.0	8	117.5
Extremity.....	195	55.7	183	40.7	.....	0	.....	12	283.6
Other or multiple.....	59	51.9	54	40.4	.....	0	.....	5	176.6
Fracture, compound.....	3,336	259.4	1,663	202.8	152	88	23.1	1,433	367.1
Skull.....	262	108.6	63	190.5	109	34	11.3	56	287.2
Facial bones, n. e. c.....	31	133.5	21	131.8	.....	1	57.0	9	318.1
Mandible.....	83	212.6	57	171.2	.....	2	86.0	24	321.4
Vertebrae.....	29	182.9	10	195.8	1	6	108.5	12	224.7
Upper extremity, multiple bones of.....	89	283.8	40	235.0	.....	3	9.7	46	344.1
Humerus.....	422	277.3	233	221.0	2	3	4.3	184	352.2
Radius or ulna.....	340	282.1	175	205.8	1	.....	0	164	365.3
Wrist or hand, bones of.....	276	138.1	206	104.3	.....	.....	0	70	237.8
Thoracic bones.....	79	206.9	46	161.0	.....	.....	1.0	32	279.4
Pelvic bones.....	29	200.3	15	151.7	2	1	11.0	11	320.3
Lower extremity, multiple bones of.....	133	254.7	55	163.3	6	9	4.4	63	394.5
Femur.....	449	337.4	179	279.8	12	13	30.0	245	412.2
Patella.....	41	284.1	19	236.0	.....	.....	0	22	325.6
Tibia or fibula.....	680	315.5	343	239.6	6	.....	15.2	320	413.2
Foot, bones of.....	276	233.1	157	160.5	.....	11	2.0	117	334.4
Other or multiple.....	117	289.5	44	250.9	13	2	58.5	58	391.6
Fracture, simple.....	2,504	153.0	1,864	111.3	20	23	21.9	597	293.2
Skull.....	77	85.2	29	67.6	13	14	7.4	21	214.0
Facial bones, n. e. c.....	48	51.3	44	39.0	.....	.....	0	4	186.5
Mandible.....	46	120.6	39	109.0	1	.....	0	6	216.3
Vertebrae.....	311	185.0	185	150.2	5	3	73.3	118	250.3
Upper extremity, multiple bones of.....	27	150.2	20	113.6	.....	.....	0	7	254.7
Humerus.....	83	180.3	65	145.2	.....	.....	0	18	306.8
Radius or ulna.....	179	128.0	149	93.3	.....	1	118.0	29	306.5
Wrist or hand, bones of.....	215	72.7	198	59.8	.....	.....	0	17	222.8
Thoracic bones.....	215	79.8	192	63.2	.....	1	1.0	22	228.8
Pelvic bones.....	58	166.4	42	138.8	.....	1	7.0	15	254.4
Lower extremity, multiple bones of.....	75	221.8	46	151.6	.....	.....	0	29	333.2
Femur.....	156	310.7	75	268.2	.....	3	18.0	78	362.9
Patella.....	69	173.9	50	137.6	.....	.....	0	19	305.1
Tibia or fibula.....	426	181.6	324	137.6	1	.....	0	101	324.5
Foot, bones of.....	421	117.2	355	84.6	.....	.....	0	66	292.6
Other or multiple.....	98	232.8	51	167.2	.....	.....	0	47	304.0
Frostbite.....	35	164.9	28	103.4	.....	.....	0	7	410.7
Heat exhaustion.....	621	22.8	592	15.7	3	.....	0	26	186.7
Hematoma, subdural, chronic, traumatic.....	25	290.6	8	289.5	.....	.....	0	17	291.2
Hematoma, traumatic, n. e. c.....	46	46.2	43	28.3	.....	.....	0	3	302.7
Hemorrhage, traumatic, into eyeball.....	9	142.3	5	152.4	.....	.....	0	4	129.8
Hemorrhage, traumatic, into joint.....	4	104.8	2	36.5	.....	.....	0	2	173.0
Hemorrhage, traumatic, under conjunctiva.....	3	12.0	3	12.0	.....	.....	0	.....	0
Hemorrhage, traumatic, n. e. c.....	48	52.4	21	46.6	.....	.....	0	9	170.9
Hernia, traumatic.....	14	44.9	13	47.0	17	1	1.0	1	18.0
Immersion foot.....	34	36.8	32	28.6	.....	.....	0	2	168.5
Injuries, multiple, extreme.....	2,976	15.8	100	191.1	2,675	122	2.6	79	350.1
Injuries, type unknown.....	953	10.4	862	11.4	90	1	1.0	.....	0
Intracranial injury.....	809	108.4	452	80.9	81	26	16.3	250	202.8
Intraspinal injury.....	38	230.5	18	113.4	.....	2	7.5	18	372.4
Killed in action, details not known.....	31,727	0	.....	0	31,727	.....	0	.....	0
Killed or died while prisoner of war.....	1,419	0	.....	0	1,419	.....	0	.....	0
Odontoclasia.....	12	3.5	12	3.5	.....	.....	0	.....	0
Periostitis, traumatic.....	3	14.3	3	14.3	.....	.....	0	.....	0
Poisoning, acute.....	17	14.8	11	22.2	2	4	2.0	.....	0
Rupture, traumatic.....	551	49.6	478	35.0	2	2	1.0	69	153.3
Eye.....	4	168.0	2	191.0	.....	.....	0	2	145.0
Tympanic membrane.....	476	38.1	430	26.0	.....	.....	0	46	151.2
Intervertebral disc.....	19	147.2	13	158.0	.....	.....	0	6	123.7
Abdominal organs.....	4	73.8	4	73.8	.....	.....	0	.....	0
Other or multiple.....	48	112.9	29	97.6	2	2	1.0	15	172.5
Smoke inhalation.....	434	13.6	177	21.5	242	5	6.2	10	204.9
Sprain, joint.....	1,260	47.5	1,166	33.7	.....	.....	0	94	218.5
Vertebral.....	189	75.9	159	56.6	.....	.....	0	30	177.9
Sacroiliac.....	68	100.8	57	84.2	.....	.....	0	11	186.8
Knee.....	266	56.1	246	40.0	.....	.....	0	20	253.2
Ankle.....	565	32.0	542	22.0	.....	.....	0	23	266.9
Other or multiple.....	172	33.1	162	23.1	.....	.....	0	10	194.2
Strain, muscular.....	397	58.7	361	45.1	.....	.....	0	36	194.9
Back.....	282	71.1	250	54.4	.....	.....	0	32	201.5
Other.....	115	28.2	111	24.1	.....	.....	0	4	142.5
Submersion, nonfatal.....	430	12.7	424	10.3	.....	1	209.0	5	172.2
Sunburn.....	26	25.8	25	21.7	.....	.....	0	1	128.0
Synovitis, traumatic.....	21	82.1	18	62.0	.....	.....	0	3	202.7
Tinnitus aurium, traumatic.....	18	49.7	14	15.4	.....	.....	0	4	170.0
Torsion, traumatic.....	4	74.2	4	74.2	.....	.....	0	.....	0
Wound, fragment.....	36,665	78.2	26,460	58.3	4,957	834	10.8	4,414	298.0
Head.....	2,352	37.6	904	45.1	1,148	112	13.4	188	245.9
Face.....	1,280	62.1	1,089	40.6	52	14	12.6	125	281.5

See footnote at end of table.

APPENDIX TABLE 8.—*Casualties due to enemy action, incidence and sick days per case by method of disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Diagnosis	Total		Duty		Killed in action ¹	Wounded, died subsequently		Invalided from service	
	Number	Sick days per case	Number	Sick days per case		Number	Sick days per case	Number	Sick days per case
Wound, fragment—Continued									
Eye.....	392	101.2	255	50.7	2	3	3.0	132	202.5
Neck.....	687	44.5	498	38.5	122	24	6.5	43	261.0
Upper extremity, n. e. c.....	3,314	80.4	2,882	47.8	17	3	14.0	412	312.2
Hand.....	1,530	58.2	1,401	39.8	4	3	34.0	122	271.4
Thorax.....	3,361	63.2	2,401	52.7	601	72	11.6	287	295.5
Abdomen.....	2,321	49.6	1,428	49.5	583	159	7.3	151	286.0
Lower extremity.....	9,174	90.5	7,797	60.3	188	66	13.1	1,123	319.9
Other or multiple.....	12,254	91.0	7,805	72.2	2,240	378	10.9	1,831	298.7
Wound, gunshot.....	28,186	97.3	16,374	90.7	6,976	881	10.7	3,955	315.9
Head.....	3,267	24.2	649	56.6	2,339	115	7.0	164	253.2
Face.....	746	101.0	519	82.6	122	8	1.6	97	334.8
Eye.....	110	138.2	57	90.2	5	1	1.0	47	214.1
Neck.....	775	50.5	359	70.8	326	35	5.0	55	246.6
Upper extremity, n. e. c.....	2,919	128.7	2,334	82.3	24	13	9.0	548	334.7
Hand or fingers.....	1,016	110.1	845	78.3	8	1	6.0	162	282.1
Thorax.....	4,568	74.0	2,339	84.5	1,589	147	15.0	493	280.6
Abdomen.....	2,398	65.8	953	92.4	925	293	8.8	227	295.8
Lower extremity.....	7,061	131.1	5,591	93.0	173	80	16.9	1,217	332.5
Other or multiple.....	5,326	117.5	2,728	114.0	1,465	188	11.7	945	330.6
Wound, incised.....	123	63.7	100	46.8	14	0	0	9	350.7
Head or neck.....	13	7.2	10	9.4	3	0	0	0	0
Eye.....	2	78.0	2	78.0	0	0	0	0	0
Upper extremity.....	44	91.1	38	42.3	0	0	0	6	400.2
Trunk.....	19	45.0	11	61.4	7	0	0	1	179.0
Lower extremity.....	27	52.2	26	45.6	0	0	0	1	225.0
Other or multiple.....	18	72.9	13	74.0	4	0	0	1	351.0
Wound, lacerated.....	3,790	44.3	3,544	32.5	50	8	7.0	188	279.1
Head or neck.....	576	31.6	542	21.8	7	0	0	27	237.0
Face.....	464	20.9	455	18.1	3	0	0	6	246.0
Eye.....	79	78.3	61	32.4	0	0	0	18	234.1
Upper extremity, n. e. c.....	319	49.5	303	38.2	1	2	8.0	13	324.7
Hand.....	443	35.3	428	27.0	0	0	0	15	272.3
Trunk.....	307	49.7	283	35.6	6	2	4.5	16	323.2
Lower extremity.....	985	53.1	928	39.6	5	1	4.0	51	305.6
Other or multiple.....	617	56.1	544	42.7	28	3	9.0	42	269.7
Wound, punctured.....	1,129	60.8	949	47.6	61	27	3.7	92	254.0
Head or neck.....	69	30.5	49	22.4	12	3	1.0	5	201.0
Face.....	42	22.2	42	22.2	0	0	0	0	0
Eye.....	31	171.9	21	166.1	0	0	0	10	184.1
Upper extremity, n. e. c.....	124	43.7	120	37.2	0	0	0	4	236.2
Hand.....	48	35.2	44	14.4	0	0	0	4	264.0
Trunk, n. e. c.....	116	70.8	82	63.3	11	10	3.9	13	229.2
Thorax.....	190	69.5	136	53.5	23	9	3.2	22	267.9
Lower extremity.....	370	60.3	342	45.6	2	2	2.5	24	279.8
Other or multiple.....	139	67.6	113	57.1	13	3	7.7	10	293.3
Wounds, multiple.....	5,120	96.2	3,264	77.0	905	151	8.7	800	300.0

¹ Includes 1,419 persons killed or died while prisoner of war.

APPENDIX TABLE 9.—*Casualties due to enemy action, percentage distribution of cases and sick days by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1946*

Diagnosis	Total		Duty		Killed in action	Wounded, died subsequently		Died, prisoner of war	Invalided from service	
	Percent of cases	Percent of sick days	Percent of cases	Percent of sick days	Percent of cases	Percent of cases	Percent of sick days	Percent of cases	Percent of cases	Percent of sick days
All diagnoses.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wound, fragment.....	25.4	31.5	36.0	32.2	9.5	30.4	33.0	0	30.0	30.8
Killed in action.....	22.0	0	0	0	61.0	0	0	0	0	0
Wound, gunshot.....	19.5	30.2	22.3	31.0	13.4	33.2	34.7	0	26.9	29.3
Burn, n. e. c.....	4.6	3.9	6.2	4.8	2.5	13.4	10.1	0	3.2	2.8
Wounds, multiple.....	3.6	5.4	4.5	5.3	1.8	5.7	4.8	0	5.4	5.6
Blast concussion, atmospheric.....	3.4	3.5	4.8	3.6	1.1	1.1	0.8	0	5.3	3.4
Wound, lacerated.....	2.6	1.8	4.8	2.4	0.1	0.3	0.2	0	1.3	1.2
Fracture, compound.....	2.3	9.5	2.3	7.0	0.3	3.3	7.5	0	9.8	12.3
Injuries, multiple, extreme.....	2.1	0.5	0.1	0.4	5.2	4.6	1.1	0	0.5	0.7
Contusion.....	2.0	1.3	3.8	1.6	0.0	0.1	0.1	0	1.2	1.0
Fracture, simple.....	1.7	4.2	2.6	4.3	0.0	0.9	1.9	0	4.1	4.1
Drowning.....	1.1	0	0	0	3.0	0	0.0	0	0.0	0.0
Killed or died while prisoner of war.....	1.0	0	0	0	0	0	0	100.0	0	0
Sprain, joint.....	0.9	0.7	1.6	0.8	0	0	0	0	0.6	0.5
Wound, punctured.....	0.8	0.8	1.3	1.0	0.1	1.0	0.4	0	0.6	0.6
Injuries, type unknown.....	0.7	0.1	1.2	0.2	0.2	0.0	0.0	0	0.5	0.7
Deafness due to heavy firing.....	0.6	0.8	0.5	0.5	0.0	0.0	0.0	0	3.7	1.2
Intracranial injury.....	0.6	1.0	0.6	0.8	0.2	1.0	1.6	0	1.7	1.2
Amputation, traumatic.....	0.5	1.6	0.2	0.6	0.2	1.1	1.7	0	2.5	2.8
Abrasion.....	0.4	0.1	0.7	0.1	0.0	0.0	0.0	0	0.1	0.0
Burn, chemical.....	0.4	0.4	0.6	0.4	0.0	0.5	0.2	0	0.3	0.3
Exhaustion from overexposure.....	0.4	0.1	0.7	0.2	0.0	0.3	0.3	0	0.1	0.1
Foreign body, traumatic.....	0.4	0.3	0.6	0.4	0.0	0.0	0.0	0	0.4	0.3
Heat exhaustion.....	0.4	0.2	0.8	0.2	0.0	0.0	0.0	0	0.2	0.1
Rupture, traumatic.....	0.4	0.3	0.7	0.3	0.0	0.1	0.0	0	0.5	0.3
Blast concussion, water.....	0.3	0.3	0.5	0.4	0.1	1.1	0.4	0	0.2	0.1
Smoke inhalation.....	0.3	0.1	0.3	0.1	0.5	0.2	0.1	0	0.1	0.0
Strain, muscular.....	0.3	0.3	0.5	0.3	0	0	0	0	0.2	0.2
Submersion, nonfatal.....	0.3	0.1	0.6	0.1	0	0	0.8	0	0.0	0.0
Asphyxiation.....	0.2	0.0	0.0	0.0	0.4	0.1	0.0	0	0.0	0.0
All other.....	0.8	1.0	1.2	1.0	0.4	0.6	0.3	0	0.6	0.4

APPENDIX TABLE 10.—*Casualties¹ due to enemy action by anatomical region, Navy and Marine Corps: 7 December 1941 to 31 December 1946*

Anatomical region	Total		Navy		Marine Corps	
	Number	Percent	Number	Percent	Number	Percent
Total.....	95,946	100.0	32,043	100.0	63,903	100.0
Cephalic.....	8,548	8.9	2,077	6.5	6,471	10.1
Facial.....	4,097	4.3	1,497	4.7	2,600	4.1
Cervical.....	1,588	1.6	279	0.9	1,309	2.0
Upper extremities.....	13,196	13.8	4,130	12.9	9,066	14.2
Thoracic.....	9,528	9.9	2,105	6.6	7,423	11.6
Abdominal.....	6,399	6.7	1,875	5.8	4,524	7.1
Pelvic.....	287	0.3	154	0.5	133	0.2
Vertebral.....	663	0.7	467	1.4	196	0.3
Lower extremities.....	23,060	24.0	7,497	23.4	15,563	24.4
General, unspecified, multiple.....	28,580	29.8	11,962	37.3	16,618	26.0

¹ Excludes casualties reported as killed in action, details not known; died while prisoner of war; and diagnoses without anatomical part.

APPENDIX TABLE 11.—*Casualties due to enemy action, major complications or sequelae by primary diagnosis, Navy and Marine Corps: 7 December 1941 to 31 December 1946*

This table is designed to show the major complications or sequelae of each combat-incurred injury for which persons were admitted to the sick list. No complication or sequela diagnosis was specifically listed unless it had appeared five or more times following the primary diagnosis listed in the first column.

Primary diagnosis	Total case incidence	Total number complications from all causes	Percent complicated	Principal complicating causes	Number complications from this cause	Percent of total complications
Abrasion.....	549	6	1.1	(1).....		
Amputation, traumatic.....	668	67	10.0	Deformity, acquired.....	25	37.3
				Absence, acquired.....	22	32.8
				Paralysis.....	7	10.5
Avulsion.....	39	6	15.4	Absence, acquired.....	5	83.3
Bite.....	5	1	20.0	(1).....		
Blast concussion, atmospheric.....	4,939	134	2.7	Deafness, bilateral.....	20	14.9
				Otitis media, chronic.....	15	11.2
				Rupture, traumatic.....	13	9.7
				Otitis media, acute.....	10	7.5
				Deafness, unilateral.....	9	6.7
				Deformity, acquired.....	6	4.5
				Paralysis.....	6	4.5
Blast concussion, water.....	459	13	2.8	(1).....		
Burn, chemical.....	542	17	3.1	Cicatrix, skin.....	7	41.2
				Deformity, acquired.....	6	35.3
Burn, n. e. c.....	6,693	369	5.4	Cicatrix, skin.....	165	46.0
				Deformity, acquired.....	91	25.4
				Contracture.....	24	6.7
				Paralysis.....	23	6.4
				Absence, acquired.....	11	3.1
				Keloid.....	8	2.2
Contusion.....	2,940	60	2.0	Deformity, acquired.....	9	15.0
				Bursitis, acute.....	5	8.3
				Cellulitis.....	5	8.3
				Paralysis.....	5	8.3
Crush.....	97	11	11.3	Absence, acquired.....	5	45.5
Deafness due to heavy firing.....	890	132	14.8	Deafness, bilateral.....	100	75.8
				Deafness, unilateral.....	19	14.4
				Otitis media, chronic.....	8	6.1
				Joint, internal derangement of.....	8	66.7
Dislocation, articular cartilage, knee.....	102	12	11.8	(1).....		
Dislocation, chronic, recurrent.....	26	3	11.5	(1).....		
Dislocation, compound.....	6	2	33.3	Deformity, acquired.....	11	36.7
Dislocation, n. e. c.....	167	30	18.0	Joint, internal derangement of.....	5	16.7
				(1).....		
Exhaustion from overexposure.....	534	3	0.6	Deformity, acquired.....	576	41.3
Foreign body, traumatic.....	529	18	3.4	Paralysis.....	183	13.1
Fracture, compound.....	3,336	1,396	41.8	Union of fracture, faulty.....	180	12.9
				Absence, acquired.....	161	11.5
				Osteomyelitis.....	129	9.2
				Ankylosis.....	30	2.2
				Cicatrix, skin.....	30	2.2
				Contracture.....	9	0.6
				Loss of substance of bone or cartilage.....	8	0.6
				Abscess.....	6	0.4
				Atrophy.....	6	0.4
				Gas bacillus infection.....	6	0.4
				Neuroma.....	6	0.4
				Ulcer, skin.....	5	0.4
Fracture, simple.....	2,504	464	18.5	Deformity, acquired.....	199	42.9
				Union of fracture, faulty.....	99	21.3
				Paralysis.....	25	5.4
				Osteomyelitis.....	20	4.3
				Absence, acquired.....	16	3.5
				Arthritis, chronic.....	12	2.6
				Joint, internal derangement of.....	11	2.4
				Ankylosis.....	9	1.9
				Atrophy.....	8	1.7
Frostbite.....	35	5	14.3	(1).....		
Hematoma, subdural, chronic, traumatic.....	25	2	8.0	(1).....		
Hematoma, traumatic.....	46	1	2.2	(1).....		
Hemorrhage, traumatic, into eyeball.....	9	1	11.1	(1).....		
Hemorrhage, traumatic, n. e. c.....	48	1	2.1	(1).....		
Injuries, multiple, extreme.....	2,976	66	2.2	Deformity, acquired.....	24	36.4
				Absence, acquired.....	21	31.8
				Paralysis.....	7	10.6
				(1).....		
Injuries, type unknown.....	938	4	0.4	Hematoma, subdural, chronic, traumatic.....	6	9.1
Intracranial injury.....	808	32	4.0	(1).....		
Intraspinal injury.....	38	3	7.9	Otitis media, acute.....	19	39.6
Rupture, traumatic.....	264	48	18.2	Otitis media, chronic.....	9	18.8
				Deafness, bilateral.....	6	12.5
				(1).....		
Smoke inhalation.....	434	3	0.7	Joint, internal derangement of.....	13	22.4
Sprain, joint.....	1,260	58	4.6	Arthritis, chronic.....	10	17.2
				Deformity, acquired.....	10	17.2
				Myositis, chronic.....	9	15.5
				Myositis, chronic.....	7	12.1
Strain, muscular.....	396	19	4.8	(1).....		
Submersion, nonfatal.....	430	2	0.5	(1).....		
Synovitis, traumatic.....	18	1	5.6	(1).....		

See footnote at end of table.

APPENDIX TABLE 11.—*Casualties due to enemy action, major complications or sequelae by primary diagnosis, Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

This table is designed to show the major complications or sequelae of each combat-incurred injury for which persons were admitted to the sick list. No complication or sequela diagnosis was specifically listed unless it had appeared five or more times following the primary diagnosis listed in the first column.

Primary diagnosis	Total case incidence	Total number complications from all causes	Percent complicated	Principal complicating causes	Number complications from this cause	Percent of total complications
Tinnitus aurium, traumatic.....	21	1	4.8	(1).....		
Wound, fragment.....	36,658	3,583	9.8	Deformity, acquired.....	894	25.0
				Paralysis.....	861	24.0
				Absence, acquired.....	481	13.4
				Osteomyelitis.....	140	3.9
				Hemorrhage, traumatic.....	119	3.3
				Cicatrix, skin.....	118	3.3
				Wound, infected.....	74	2.1
				Union of fracture, faulty.....	66	1.8
				Aneurysm.....	55	1.5
				Pleurisy, suppurative.....	51	1.4
				Neuritis.....	43	1.2
				Contracture.....	42	1.2
				Ankylosis.....	40	1.1
				Foreign body, traumatic.....	39	1.1
				Joint, internal derangement of.....	33	0.9
				Cellulitis.....	31	0.9
				Hemothorax.....	28	0.8
				Cataract, traumatic.....	26	0.7
				Gas bacillus infection.....	25	0.7
				Pleurisy, fibrinous, chronic.....	22	0.6
				Atrophy.....	19	0.5
				Arthritis, chronic.....	18	0.5
				Deafness, bilateral.....	16	0.5
				Abscess, n. e. c.....	15	0.4
				Deafness, unilateral.....	14	0.4
				Neuroma.....	14	0.4
				Rupture, traumatic.....	14	0.4
				Ulcer, skin.....	14	0.4
				Intracranial injury.....	13	0.4
				Hernia, ventral.....	12	0.3
				Loss of substance of bone or cartilage.....	12	0.3
				Intraspinal injury.....	11	0.3
				Adhesions.....	10	0.3
				Phlebitis.....	10	0.3
				Myositis, chronic.....	9	0.3
				Abscess, brain.....	8	0.2
				Myelitis, transverse.....	8	0.2
				Neuralgia.....	8	0.2
				Peritonitis, general, acute.....	8	0.2
				Synovitis, traumatic.....	7	0.2
				Hematoma, traumatic.....	6	0.2
				Hernia, traumatic.....	6	0.2
				Synovitis, chronic.....	6	0.2
				Obstruction, intestinal, from external causes.....	5	0.1
				Thrombosis.....	5	0.1
Wound, gunshot.....	28,186	3,911	13.9	Deformity, acquired.....	1,100	28.1
				Paralysis.....	977	25.0
				Absence, acquired.....	355	9.1
				Hemorrhage, traumatic.....	232	5.9
				Osteomyelitis.....	136	3.5
				Union of fracture, faulty.....	123	3.1
				Cicatrix, skin.....	91	2.3
				Wound, infected.....	65	1.7
				Pleurisy, suppurative.....	59	1.5
				Aneurysm.....	55	1.4
				Ankylosis.....	46	1.2
				Hemothorax.....	45	1.2
				Gas bacillus infection.....	43	1.1
				Neuritis.....	34	0.9
				Contracture.....	32	0.8
				Pleurisy, fibrinous, chronic.....	28	0.7
				Foreign body, traumatic.....	27	0.7
				Atrophy.....	23	0.6
				Intraspinal injury.....	22	0.6
				Joint, internal derangement of.....	20	0.5
				Adhesions, abdominal.....	16	0.4
				Myelitis, transverse.....	16	0.4
				Pleurisy, serofibrinous.....	16	0.4
				Intracranial injury.....	15	0.4
				Adhesions, n. e. c.....	14	0.4
				Cellulitis.....	14	0.4
				Abscess.....	12	0.3
				Arthritis, chronic.....	12	0.3
				Deafness, unilateral.....	12	0.3
				Gangrene.....	12	0.3
				Myositis, chronic.....	12	0.3
				Neuroma.....	12	0.3
				Phlebitis.....	11	0.3
				Hernia, ventral.....	10	0.3
				Peritonitis, general, acute.....	10	0.3
				Neuralgia.....	9	0.2
				Rupture, traumatic.....	9	0.2
				Deafness, bilateral.....	8	0.2
				Loss of substance of bone or cartilage.....	8	0.2

See footnote at end of table.

APPENDIX TABLE 11.—*Casualties due to enemy action, major complications or sequelae by primary diagnosis, Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

This table is designed to show the major complications or sequelae of each combat-incurred injury for which persons were admitted to the sick list. No complication or sequela diagnosis was specifically listed unless it had appeared five or more times following the primary diagnosis listed in the first column.

Primary diagnosis	Total case incidence	Total number complications from all causes	Percent complicated	Principal complicating causes	Number complications from this cause	Percent of total complications
Wound, gunshot—Continued				Hematoma, subdural, chronic, traumatic. . .	7	0.2
				Hematoma, traumatic.	7	0.2
				Ulcer.	7	0.2
				Cataract, traumatic.	6	0.2
				Obstruction, intestinal, from external causes. . .	6	0.2
				Pleurisy, fibrinous, acute.	5	0.1
				Synovitis, traumatic.	5	0.1
Wound, incised.	123	13	10.6	Deformity, acquired.	5	38.5
Wound, lacerated.	3,790	174	4.6	Deformity, acquired.	54	31.0
				Paralysis.	27	15.5
				Absence, acquired.	18	10.3
				Wound, infected.	14	8.1
				Cicatrix, skin.	9	5.2
				Cellulitis.	7	4.0
Wound, punctured.	1,129	72	6.4	Paralysis.	17	23.6
Wounds, multiple.	5,120	659	12.9	Deformity, acquired.	11	15.3
				Deformity, acquired.	169	25.6
				Paralysis.	143	21.7
				Absence, acquired.	100	15.2
				Osteomyelitis.	28	4.3
				Union of fracture, faulty.	23	3.5
				Cicatrix, skin.	18	2.7
				Hemorrhage, traumatic.	17	2.6
				Foreign body, traumatic.	14	2.1
				Contracture.	9	1.4
				Ankylosis.	8	1.2
				Deafness, bilateral.	8	1.2
				Aneurysm.	7	1.1
				Hemothorax.	7	1.1
				Cataract, traumatic.	6	0.9
				Gas bacillus infection.	6	0.9
				Neuritis.	5	0.8
				Pleurisy, suppurative.	5	0.8
				Wound, infected.	5	0.8

¹ No single diagnosis reported five or more times.

APPENDIX TABLE 12.—*Casualties due to enemy action, major complications or sequelae by disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946*

This table is designed to show the principal complications or sequelae of combat-incurred injuries, giving the number and disposition from the sick list. No complication or sequela is shown unless it appeared five or more times.

Complication or sequela	Number of times appearing as complication	Disposition		
		Duty	Died ¹	Invalided from service
Abscess, brain.....	15	3	6	6
Abscess, n. e. c.....	47	28	4	15
Absence, acquired, teeth.....	15	14	.....	3
Absence, acquired, n. e. c.....	1,358	341	20	997
Adhesions, abdominal.....	25	9	.....	16
Adhesions, n. e. c.....	48	16	.....	33
Aneurysm, varicose.....	6	2	.....	4
Aneurysm, n. e. c.....	136	63	4	69
Aneurysmal varix.....	7	6	.....	1
Ankylosis.....	165	48	.....	117
Aphakia.....	18	4	.....	14
Arthritis, acute.....	17	9	.....	8
Arthritis, chronic.....	71	24	.....	47
Atrophy.....	81	39	.....	42
Blindness, bilateral ²	12	5	.....	7
Blindness, unilateral ²	7	.....	.....	7
Bursitis, acute.....	7	4	.....	3
Cataract, traumatic.....	53	11	.....	42
Cellulitis.....	76	66	.....	10
Cicatrix, skin.....	513	234	.....	279
Contracture.....	144	74	.....	70
Deafness, bilateral.....	172	43	1	128
Deafness, unilateral.....	69	22	.....	47
Deformity, acquired.....	3,699	973	4	2,722
Fistula.....	11	2	.....	9
Foreign body, traumatic.....	94	73	1	20
Gangrene.....	33	8	4	21
Gas bacillus infection.....	87	21	16	50
Hematoma, subdural, chronic, traumatic.....	20	9	.....	11
Hematoma, traumatic, n. e. c.....	24	13	1	10
Hemorrhage, traumatic.....	404	226	8	170
Hemorrhage, traumatic, into eyeball.....	15	10	.....	5
Hemothorax.....	90	51	2	37
Hernia, traumatic.....	11	8	.....	3
Hernia, ventral.....	31	20	.....	11
Hernia, n. e. c.....	12	9	.....	3
Intracranial injury.....	40	8	1	31
Intraspinial injury.....	40	11	1	28
Joint, internal derangement of.....	118	60	.....	58
Keloid.....	10	6	.....	4
Loss of substance of bone or cartilage.....	40	13	.....	27
Metatarsalgia.....	5	3	.....	2
Myelitis, transverse.....	33	11	5	17
Myositis, acute.....	9	8	.....	1
Myositis, chronic.....	59	28	.....	31
Neuralgia.....	29	10	.....	19
Neuritis, multiple.....	7	3	.....	4
Neuritis, n. e. c.....	118	52	.....	66
Neuroma.....	50	27	.....	23
Obstruction, intestinal, from external causes.....	15	8	3	4
Osteomyelitis.....	505	200	2	303
Otitis media, acute.....	34	28	.....	6
Otitis media, chronic.....	41	19	.....	22
Paralysis.....	2,462	865	4	1,593
Peritonitis, general, acute.....	32	4	25	3
Phlebitis.....	29	13	1	15
Pleurisy, fibrinous, acute.....	12	4	.....	8
Pleurisy, fibrinous, chronic.....	99	37	.....	62
Pleurisy, serofibrinous.....	35	22	1	12
Pleurisy, suppurative.....	174	56	7	111
Pneumonia, broncho.....	12	3	7	2
Pneumothorax.....	11	8	1	2
Rupture, traumatic.....	51	27	1	23
Sinus.....	11	7	.....	4
Spur, bone.....	5	3	.....	2
Synovitis, chronic.....	19	8	.....	11
Synovitis, traumatic.....	17	10	.....	7
Thrombosis.....	13	8	1	4
Uleer, skin.....	30	17	.....	13
Uleer, n. e. c.....	10	5	.....	5
Union of fracture, faulty.....	542	237	.....	305
Wound, infected.....	180	157	.....	23

¹ Includes "Wounded, died subsequently" and "Died, prisoner of war."

² During World War II there were 614 cases of blindness due to enemy action. These 614 cases were recorded under such diagnostic titles as "Wound, gunshot," "Wound, fragment," "Amputation, traumatic," and so forth, and are therefore not easily recognized in this table.

APPENDIX TABLE 13.—*Casualties due to enemy action, primary diagnoses for principal complicating conditions, Navy and Marine Corps: 7 December 1941 to 31 December 1945*

This table is designed to show the primary diagnoses from which complications or sequelae occurred, giving number and disposition from sick list. No complicating cause or primary diagnosis is shown unless it appeared five or more times.

Principal complicating cause	Number complications from this cause	Disposition			Primary diagnosis	Incidence of primary diagnosis for this cause	Percent of complications	Disposition		
		Duty	Deaths ¹	Inval- idings from service				Duty	Deaths ¹	Inval- idings from service
Abscess, brain.....	14	3	5	6	Wound, fragment.....	8	57.1	3	3	2
Abscess, n. e. c.....	42	26	4	12	do.....	15	35.7	8	2	5
					Wound, gunshot.....	12	28.6	9	1	2
					Fracture, compound.....	6	14.3	3	1	2
Absence, acquired.....	1,208	308	13	887	Wound, fragment.....	481	39.8	98	3	380
					Wound, gunshot.....	355	29.4	106	5	244
					Fracture, compound.....	161	13.3	43	2	116
					Wounds, multiple.....	100	8.3	24	1	75
					Amputation, traumatic.....	22	1.8	4		18
					Injuries, multiple, extreme.....	21	1.7	4		17
					Wound, lacerated.....	18	1.5	9	1	8
					Fracture, simple.....	16	1.3	6		10
					Burn.....	11	0.9	5	1	5
					Avulsion.....	5	0.4	1		4
Adhesions, abdominal.....	22	7		15	Wound, gunshot.....	16	72.7	7		9
Adhesions, n. e. c.....	30	11		19	do.....	14	46.7	5		9
					Wound, fragment.....	10	33.3	3		7
Aneurysm.....	123	59	3	61	do.....	55	44.7	24	1	30
					Wound, gunshot.....	55	44.7	29	2	24
Ankylosis.....	139	44		95	do.....	46	33.1	12		34
					Wound, fragment.....	40	28.8	16		24
					Fracture, compound.....	30	21.6	7		23
					Fracture, simple.....	9	6.5	2		7
					Wounds, multiple.....	8	5.8	2		6
Arthritis, chronic.....	67	24		43	Wound, fragment.....	18	26.9	7		11
					Fracture, simple.....	12	17.9	4		8
					Wound, gunshot.....	12	17.9	4		8
					Sprain, joint.....	10	14.9	7		3
Atrophy.....	69	34		35	Wound, gunshot.....	23	33.3	11		12
					Wound, fragment.....	19	27.5	11		8
					Fracture, simple.....	8	11.5	6		2
					Fracture, compound.....	6	8.7	1		5
					Contusion.....	5	71.4	4		1
Bursitis, acute.....	7	4		3	Wound, fragment.....	26	52.0	3		23
Cataract, traumatic.....	50	11		39	Wound, gunshot.....	6	12.0	1		5
					Wounds, multiple.....	6	12.0			6
Cellulitis.....	72	63		9	Wound, fragment.....	31	43.1	29		2
					Wound, gunshot.....	14	19.4	11		3
					Wound, lacerated.....	7	9.7	5		2
					Contusion.....	5	7.1	5		
Cicatrix, skin.....	451	209		242	Burn.....	165	36.6	58		107
					Wound, fragment.....	118	26.2	64		54
					Wound, gunshot.....	91	20.2	52		39
					Fracture, compound.....	30	6.7	11		19
					Wounds, multiple.....	18	4.0	10		8
					Wound, lacerated.....	9	2.0	6		3
					Burn, chemical.....	7	1.6	1		6
Contracture.....	127	69		58	Wound, fragment.....	42	33.1	19		23
					Wound, gunshot.....	32	25.2	22		10
					Burn.....	24	18.9	16		8
					Fracture, compound.....	9	7.1	3		6
					Wounds, multiple.....	9	7.1	4		5
Deafness, bilateral.....	165	41	1	123	Deafness due to heavy firing.....	100	60.6	26		74
					Blast concussion, atmospheric.....	20	12.1	2		18
					Wound, fragment.....	16	9.7	5		11
					Wound, gunshot.....	8	4.8	2	1	5
					Wounds, multiple.....	8	4.8	3		5
					Rupture, traumatic.....	6	3.6	1		5
Deafness, unilateral.....	62	20		42	Deafness due to heavy firing.....	19	30.6	7		12
					Wound, fragment.....	14	22.6	2		12
					Wound, gunshot.....	12	19.4	5		7
					Blast concussion, atmospheric.....	9	14.5	3		6
Deformity, acquired.....	3,212	871	4	2,337	Wound, gunshot.....	1,100	34.2	311	3	786
					Wound, fragment.....	894	27.8	216	1	677
					Fracture, compound.....	576	17.9	162		414
					Fracture, simple.....	199	6.2	50		149
					Wounds, multiple.....	169	5.3	36		133
					Burn, n. e. c.....	91	2.8	32		59
					Wound, lacerated.....	54	1.7	23		31
					Amputation, traumatic.....	25	0.8	6		19
					Injuries, multiple, extreme.....	24	0.7	8		16
					Dislocation.....	11	0.3	4		7
					Wound, punctured.....	11	0.3	4		7
					Sprain, joint.....	10	0.3	4		6
					Contusion.....	9	0.3	3		6
					Blast concussion, atmospheric.....	6	0.2	2		4
					Burn, chemical.....	6	0.2	2		4
Foreign body, traumatic.....	86	68	1	17	Wound, fragment.....	39	45.3	30	1	8
					Wound, gunshot.....	27	31.4	20		7
					Wounds, multiple.....	14	16.3	14		

See footnote at end of table.

APPENDIX TABLE 13.—*Casualties due to enemy action, primary diagnoses for principal complicating conditions, Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Principal complicating cause	Number complications from this cause	Disposition			Primary diagnosis	Incidence of primary diagnosis for this cause	Percent of complications	Disposition		
		Duty	Deaths ¹	Inval- idings from service				Duty	Deaths ¹	Inva- lidings from service
Gangrene.....	29	8	3	18	Wound, gunshot.....	12	41.4	4	1	7
Gas bacillus infection.....	85	21	16	48	do.....	43	50.6	10	7	26
					Wound, fragment.....	25	29.4	7	5	13
					Fracture, compound.....	6	7.1	2	2	2
					Wounds, multiple.....	6	7.1	2	1	3
Hematoma, subdural, chronic, traumatic.....	19	9	.....	10	Wound, gunshot.....	7	36.8	2	.....	5
Hematoma, traumatic, n. e. c.....	22	13	1	8	Intracranial injury.....	6	31.6	3	.....	3
Hemorrhage, traumatic.....	390	222	8	160	Wound, gunshot.....	7	31.8	4	.....	3
					Wound, fragment.....	6	27.3	2	1	3
					Wound, gunshot.....	232	59.5	132	5	95
					Wound, fragment.....	119	30.5	68	2	49
					Wounds, multiple.....	17	4.4	9	.....	8
Hemothorax.....	87	50	2	35	Wound, gunshot.....	45	51.7	22	.....	23
					Wound, fragment.....	28	32.2	19	1	8
					Wounds, multiple.....	7	8.0	4	.....	3
Hernia, traumatic.....	11	8	.....	3	Wound, fragment.....	6	54.5	5	.....	1
Hernia, ventral.....	27	19	.....	8	do.....	12	44.4	8	.....	4
					Wound, gunshot.....	10	37.0	7	.....	3
Intracranial injury.....	37	8	1	28	do.....	15	40.5	4	1	10
Intraspinal injury.....	36	10	1	25	Wound, fragment.....	13	35.1	2	.....	11
					Wound, gunshot.....	22	61.1	6	1	15
					Wound, fragment.....	11	30.5	3	.....	8
Joint, internal derangement of...	107	54	.....	53	do.....	33	30.8	18	.....	15
					Wound, gunshot.....	20	18.7	9	.....	11
					Sprain, joint.....	13	12.1	11	.....	2
					Fracture, simple.....	11	10.3	5	.....	6
					Dislocation, articular cartilage, knee.....	8	7.5	4	.....	4
					Dislocation, n. e. c.....	5	4.7	3	.....	2
Keloid.....	9	6	.....	3	Burn.....	8	88.9	5	.....	3
Loss of substance of bone or cartilage.....	35	11	.....	24	Wound, fragment.....	12	34.3	1	.....	11
					Fracture, compound.....	8	22.9	3	.....	5
					Wound, gunshot.....	8	22.9	3	.....	5
Myelitis, transverse.....	29	10	4	15	do.....	16	55.2	7	2	7
Myositis, chronic.....	54	27	.....	27	Wound, fragment.....	8	27.6	2	1	5
					Wound, gunshot.....	12	22.2	5	.....	7
					Sprain, joint.....	9	16.7	5	.....	4
					Wound, fragment.....	9	16.7	3	.....	6
Neuralgia.....	21	8	.....	13	Strain, muscular.....	7	13.0	4	.....	3
Neuritis.....	100	45	.....	55	Wound, gunshot.....	9	42.9	2	.....	7
					Wound, fragment.....	8	38.1	4	.....	4
					do.....	43	43.0	15	.....	28
					Wound, gunshot.....	34	34.0	19	.....	15
					Wounds, multiple.....	5	5.0	1	.....	4
Neuroma.....	40	23	.....	17	Wound, fragment.....	14	35.0	8	.....	6
					Wound, gunshot.....	12	30.0	5	.....	7
					Fracture, compound.....	6	15.0	5	.....	1
Obstruction, intestinal, from external causes.....	13	6	3	4	Wound, gunshot.....	6	46.2	3	1	2
Osteomyelitis.....	465	187	2	276	Wound, fragment.....	5	38.5	2	2	1
					do.....	140	30.1	53	1	86
					Wound, gunshot.....	136	29.2	61	.....	75
					Fracture, compound.....	129	27.7	47	1	81
					Wounds, multiple.....	28	6.0	13	.....	15
					Fracture, simple.....	20	4.3	7	.....	13
Otitis media, acute.....	33	27	.....	6	Rupture, traumatic.....	19	57.6	18	.....	1
Otitis media, chronic.....	39	18	.....	21	Blast concussion, atmospheric.....	10	30.3	7	.....	3
					do.....	15	38.5	10	.....	5
					Rupture, traumatic.....	9	23.1	3	.....	6
					Deafness due to heavy firing.....	8	20.5	3	.....	5
Paralysis.....	2,301	816	4	1,481	Wound, gunshot.....	977	42.5	368	3	606
					Wound, fragment.....	861	37.4	292	7	569
					Fracture, compound.....	183	8.0	61	1	121
					Wounds, multiple.....	143	6.2	50	.....	93
					Wound, lacerated.....	27	1.2	10	.....	17
					Fracture, simple.....	25	1.1	10	.....	15
					Burn.....	23	1.0	7	.....	16
					Wound, punctured.....	17	0.7	7	.....	10
					Amputation, traumatic.....	7	0.3	1	.....	6
					Injuries, multiple, extreme.....	7	0.3	.....	.....	7
					Blast concussion, atmospheric.....	6	0.3	1	.....	5
					Contusion.....	5	0.2	1	.....	4
Peritonitis, general, acute.....	28	4	21	3	Wound, gunshot.....	10	35.7	.....	10	.....
Phlebitis.....	26	13	1	12	Wound, fragment.....	8	28.6	1	7	.....
					Wound, gunshot.....	11	42.3	6	.....	5
					Wound, fragment.....	10	38.5	4	1	5
Pleurisy, fibrinous, acute.....	8	2	.....	6	Wound, gunshot.....	5	6.3	.....	.....	5
Pleurisy, fibrinous, chronic.....	55	23	.....	32	do.....	28	50.9	12	.....	16
					Wound, fragment.....	22	40.0	9	.....	13
Pleurisy, serofibrinous.....	23	17	.....	6	Wound, gunshot.....	16	69.6	12	.....	4
Pleurisy, suppurative.....	123	37	4	82	do.....	59	48.0	19	2	38
					Wound, fragment.....	51	41.5	15	2	34
					do.....	14	31.1	5	1	8
Rupture, traumatic.....	45	24	1	20	Blast concussion, atmospheric.....	13	28.9	8	.....	5
					Wound, gunshot.....	9	20.0	5	.....	4

¹ See footnote at end of table.

APPENDIX TABLE 13.—*Casualties due to enemy action, primary diagnoses for principal complicating conditions,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Principal complicating cause	Number complications from this cause	Disposition			Primary diagnosis	Incidence of primary diagnosis for this cause	Percent of complications	Disposition		
		Duty	Deaths ¹	Inva- lidings from service				Duty	Deaths ¹	Inva- lidings from service
Synovitis, chronic.....	18	8	.....	10	Wound, fragment.....	6	33.3	2	.....	4
Synovitis, traumatic.....	17	10	.....	7	Wound, gunshot.....	5	27.8	3	.....	2
Thrombosis.....	12	7	1	4	Wound, fragment.....	7	41.2	3	.....	4
Ulcer, skin.....	28	16	.....	12	Wound, gunshot.....	5	29.4	4	.....	1
Ulcer, n. e. c.....	10	5	.....	5	Wound, fragment.....	5	41.7	3	.....	2
Union of fracture, faulty.....	494	225	.....	269	do.....	14	50.0	9	.....	5
					Fracture, compound.....	5	17.9	2	.....	3
					Wound, gunshot.....	7	70.0	4	.....	3
					Fracture, compound.....	180	36.4	80	.....	100
					Wound, gunshot.....	123	24.9	57	.....	66
					Fracture, simple.....	99	20.0	54	.....	45
					Wound, fragment.....	66	13.4	23	.....	43
					Wounds, multiple.....	23	4.7	10	.....	13
					Wound, fragment.....	74	43.3	68	.....	6
Wound, infected.....	171	152	.....	19	Wound, gunshot.....	65	38.0	55	.....	10
					Wound, lacerated.....	14	8.2	14	.....	.....
					Wounds, multiple.....	5	2.9	5	.....	.....

¹ Includes the following types: Killed in action; wounded, died subsequently; and died, prisoner of war.

APPENDIX TABLE 14.—*Casualties due to enemy action, place of action and type of service by disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946*

Place of action	Frequencies						Percent					
	Total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Inva- lided from service	Percent of total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Inva- lided from service
Total, all actions.....	144,206	73,440	51,983	2,654	1,419	14,710	100.0	50.9	36.1	1.8	1.0	10.2
Navy Officer and Enlisted.....	69,242	28,107	34,607	972	909	4,647	100.0	40.6	50.0	1.4	1.3	6.7
Navy Officer.....	6,755	2,850	3,671	68	136	30	100.0	42.2	54.4	1.0	2.0	0.4
Navy Enlisted.....	62,487	25,257	30,936	904	773	4,617	100.0	40.4	49.5	1.5	1.2	7.4
Marine Officer and Enlisted.....	74,964	45,333	17,376	1,682	510	10,063	100.0	60.5	23.2	2.2	0.7	13.4
Marine Officer.....	4,151	2,594	1,359	91	66	41	100.0	62.5	32.7	2.2	1.6	1.0
Marine Enlisted.....	70,813	42,739	16,017	1,591	444	10,022	100.0	60.4	22.6	2.2	0.6	14.2
North African landings.....	1,329	755	475	18	.....	81	100.0	56.8	35.7	1.4	0	6.1
Navy Officer and Enlisted.....	1,321	752	472	17	.....	80	100.0	56.9	35.7	1.3	0	6.1
Navy Officer.....	88	54	32	.....	.....	2	100.0	61.4	36.4	0	0	2.2
Navy Enlisted.....	1,233	698	440	17	.....	78	100.0	56.6	35.7	1.4	0	6.3
Marine Officer and Enlisted.....	8	3	3	1	.....	1	100.0	37.5	37.5	12.5	0	12.5
Marine Officer.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Enlisted.....	8	3	3	1	.....	1	100.0	37.5	37.5	12.5	0	12.5
Sicilian landings.....	1,064	484	522	24	.....	34	100.0	45.5	49.1	2.2	0	3.2
Navy Officer and Enlisted.....	1,056	478	521	24	.....	33	100.0	45.3	49.3	2.3	0	3.1
Navy Officer.....	62	38	23	1	.....	.....	100.0	61.3	37.1	1.6	0	0
Navy Enlisted.....	994	440	498	23	.....	33	100.0	44.3	50.1	2.3	0	3.3
Marine Officer and Enlisted.....	8	6	1	.....	.....	1	100.0	75.0	12.5	0	0	12.5
Marine Officer.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Enlisted.....	8	6	1	.....	.....	1	100.0	75.0	12.5	0	0	12.5
Italian landings.....	1,588	694	788	31	1	74	100.0	43.7	49.6	2.0	0.1	4.6
Navy Officer and Enlisted.....	1,588	694	788	31	1	74	100.0	43.7	49.6	2.0	0.1	4.6
Navy Officer.....	151	85	66	.....	.....	.....	100.0	56.3	43.7	0	0	0
Navy Enlisted.....	1,437	609	722	31	1	74	100.0	42.4	50.2	2.2	0.1	5.1
Marine Officer and Enlisted.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Officer.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Enlisted.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Landings in Southern France..	165	101	36	8	.....	20	100.0	61.2	21.8	4.9	0	12.1
Navy Officer and Enlisted.....	165	101	36	8	.....	20	100.0	61.2	21.8	4.9	0	12.1
Navy Officer.....	17	12	4	.....	.....	1	100.0	70.6	23.5	0	0	5.9
Navy Enlisted.....	148	89	32	8	.....	19	100.0	60.2	21.6	5.4	0	12.8
Marine Officer and Enlisted.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Officer.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Enlisted.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0

APPENDIX TABLE 14.—*Casualties due to enemy action, place of action and type of service by disposition, Navy and Marine Corps: 7 December 1941 to 31 December 1945—Continued*

Place of action	Frequencies						Percent					
	Total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalidated from service	Percent of total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalidated from service
Invasion of France.....	2,744	1,379	1,068	32	2	263	100.0	50.2	38.9	1.2	0.1	9.6
Navy Officer and Enlisted.....	2,743	1,378	1,068	32	2	263	100.0	50.2	38.9	1.2	0.1	9.6
Navy Officer.....	259	167	86	2	2	2	100.0	64.4	33.2	0.8	0.8	0.8
Navy Enlisted.....	2,484	1,211	982	30		261	100.0	48.8	39.5	1.2	0	10.5
Marine Officer and Enlisted.....	1	1					100.0	100.0	0	0	0	0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	1	1					100.0	100.0	0	0	0	0
Atlantic or Caribbean area unspecified.....	3,314	778	2,443	14		79	100.0	23.5	73.7	0.4	0	2.4
Navy Officer and Enlisted.....	3,312	778	2,442	14		78	100.0	23.5	73.7	0.4	0	2.4
Navy Officer.....	231	58	171	2			100.0	25.1	74.0	0.9	0	0
Navy Enlisted.....	3,081	720	2,271	12		78	100.0	23.4	73.7	0.4	0	2.5
Marine Officer and Enlisted.....	2		1			1	100.0	0	50.0	0	0	50.0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	2		1			1	100.0	0	50.0	0	0	50.0
Attack on Pearl Harbor.....	2,554	643	1,843	19	2	47	100.0	25.2	72.2	0.7	0.1	1.8
Navy Officer and Enlisted.....	2,410	606	1,744	17	2	41	100.0	25.1	72.4	0.7	0.1	1.7
Navy Officer.....	122	36	84		2		100.0	29.5	68.9	0	1.6	0
Navy Enlisted.....	2,288	570	1,660	17		41	100.0	24.9	72.6	0.7	0	1.8
Marine Officer and Enlisted.....	144	37	99	2		6	100.0	25.7	68.7	1.4	0	4.2
Marine Officer.....	5	2	3				100.0	40.0	60.0	0	0	0
Marine Enlisted.....	139	35	96	2		6	100.0	25.2	69.1	1.4	0	4.3
Fall of the Philippines.....	1,585	110	426	2	1,043	4	100.0	6.9	26.9	0.1	63.8	0.3
Navy Officer and Enlisted.....	1,043	71	337	2	630	3	100.0	6.8	32.3	0.2	60.4	0.3
Navy Officer.....	127	8	22		97		100.0	6.3	17.3	0	76.4	0
Navy Enlisted.....	916	63	315	2	533	3	100.0	6.9	34.4	0.2	58.2	0.3
Marine Officer and Enlisted.....	542	39	89		413	1	100.0	7.2	16.4	0	76.2	0.2
Marine Officer.....	52		6		46		100.0	0	11.5	0	88.5	0
Marine Enlisted.....	490	39	83		367	1	100.0	8.0	16.9	0	74.9	0.2
Netherlands, East Indies engagements.....	1,951	139	1,692	12	101	7	100.0	7.1	86.7	0.6	5.2	0.4
Navy Officer and Enlisted.....	1,908	139	1,656	12	94	7	100.0	7.3	86.8	0.6	4.9	0.4
Navy Officer.....	96	11	80	1	4		100.0	11.5	83.3	1.0	4.2	0
Navy Enlisted.....	1,812	128	1,576	11	90	7	100.0	7.0	87.0	0.6	5.0	0.4
Marine Officer and Enlisted.....	43		36		7		100.0	0	83.7	0	16.3	0
Marine Officer.....	1		1				100.0	0	100.0	0	0	0
Marine Enlisted.....	42		35		7		100.0	0	83.3	0	16.7	0
Pacific raids.....	76	29	40	1	4	2	100.0	38.2	52.6	1.3	5.3	2.6
Navy Officer and Enlisted.....	74	28	40		4	2	100.0	37.8	54.1	0	5.4	2.7
Navy Officer.....	21	10	13		1		100.0	41.7	54.1	0	4.2	0
Navy Enlisted.....	50	18	27		3	2	100.0	36.0	54.0	0	6.0	4.0
Marine Officer and Enlisted.....	2	1		1			100.0	50.0	0	50.0	0	0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	2	1		1			100.0	50.0	0	50.0	0	0
Battle of Coral Sea.....	705	129	556	8	1	11	100.0	18.3	78.9	1.1	0.1	1.6
Navy Officer and Enlisted.....	674	119	537	6	1	11	100.0	17.7	79.7	0.9	0.1	1.6
Navy Officer.....	55	9	46				100.0	16.4	83.6	0	0	0
Navy Enlisted.....	619	110	491	6	1	11	100.0	17.8	79.3	1.0	0.1	1.8
Marine Officer and Enlisted.....	31	10	19	2			100.0	32.2	61.3	6.5	0	0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	31	10	19	2			100.0	32.2	61.3	6.5	0	0
Battle of Midway.....	547	181	340	9	1	16	100.0	33.1	62.2	1.6	0.2	2.9
Navy Officer and Enlisted.....	490	165	301	8	1	15	100.0	33.7	61.4	1.6	0.2	3.1
Navy Officer.....	94	25	66	2	1		100.0	26.6	70.2	2.1	1.1	0
Navy Enlisted.....	396	140	235	6		15	100.0	35.4	59.3	1.5	0	3.8
Marine Officer and Enlisted.....	57	16	39	1		1	100.0	28.0	68.4	1.8	0	1.8
Marine Officer.....	26	3	23				100.0	11.5	88.5	0	0	0
Marine Enlisted.....	31	13	16	1		1	100.0	42.0	51.6	3.2	0	3.2
Guadalcanal, Tulagi landings.....	6,040	3,315	2,164	97	14	450	100.0	54.9	35.8	1.6	0.2	7.5
Navy Officer and Enlisted.....	2,172	889	1,176	20	2	85	100.0	40.9	54.2	0.9	0.1	3.9
Navy Officer.....	230	98	127	4	1		100.0	42.6	55.2	1.7	0.5	0
Navy Enlisted.....	1,942	791	1,049	16	1	85	100.0	40.7	54.0	0.8	0.1	4.4
Marine Officer and Enlisted.....	3,868	2,426	988	77	12	365	100.0	62.7	25.5	2.0	0.3	9.5
Marine Officer.....	262	153	96	4	5	4	100.0	58.4	36.7	1.5	1.9	1.5
Marine Enlisted.....	3,606	2,273	892	73	7	361	100.0	63.0	24.7	2.0	0.2	10.1
Battle of Savo Island.....	1,691	658	969	11		53	100.0	38.9	57.3	0.7	0	3.1
Navy Officer and Enlisted.....	1,614	616	936	11		51	100.0	38.2	58.0	0.7	0	3.1
Navy Officer.....	106	47	58	1			100.0	44.3	54.7	1.0	0	0
Navy Enlisted.....	1,508	569	878	10		51	100.0	37.7	58.2	0.7	0	3.4

APPENDIX TABLE 14.—*Casualties due to enemy action, place of action and type of service by disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Place of action	Frequencies						Percent					
	Total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Inval- lided from service	Percent of total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Inval- lided from service
Battle of Savo Island—Con.												
Marine Officer and Enlisted.....	77	42	33			2	100.0	54.5	42.9	0	0	2.6
Marine Officer.....	10	3	7				100.0	30.0	70.0	0	0	0
Marine Enlisted.....	67	39	26			2	100.0	58.2	38.8	0	0	3.0
Battle of Eastern Solomons.....	177	82	85	5		5	100.0	46.3	48.1	2.8	0	2.8
Navy Officer and Enlisted.....	175	82	85	4		4	100.0	46.8	48.6	2.3	0	2.3
Navy Officer.....	11	4	7				100.0	36.4	63.6	0	0	0
Navy Enlisted.....	164	78	78	4		4	100.0	47.6	47.6	2.4	0	2.4
Marine Officer and Enlisted.....	2			1		1	100.0	0	0	50.0	0	50.0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	2			1		1	100.0	0	0	50.0	0	50.0
Battle of Cape Esperance.....	268	86	175	1		6	100.0	32.1	65.3	0.4	0	2.2
Navy Officer and Enlisted.....	258	84	168	1		5	100.0	32.6	65.1	0.4	0	1.9
Navy Officer.....	25	6	18	1			100.0	24.0	72.0	4.0	0	0
Navy Enlisted.....	233	78	150			5	100.0	33.5	64.4	0	0	2.1
Marine Officer and Enlisted.....	10	2	7			1	100.0	20.0	70.0	0	0	10.0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	10	2	7			1	100.0	20.0	70.0	0	0	10.0
Battle of Santa Cruz Islands.....	550	272	254	8		16	100.0	49.5	46.2	1.4	0	2.9
Navy Officer and Enlisted.....	520	257	242	5		16	100.0	49.4	46.5	1.0	0	3.1
Navy Officer.....	48	22	26				100.0	45.8	54.2	0	0	0
Navy Enlisted.....	472	235	216	5		16	100.0	49.8	45.8	1.0	0	3.4
Marine Officer and Enlisted.....	30	15	12	3			100.0	50.0	40.0	10.0	0	0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	30	15	12	3			100.0	50.0	40.0	10.0	0	0
Battle of Guadalcanal.....	1,460	386	981	21	2	70	100.0	26.4	67.2	1.4	0.2	4.8
Navy Officer and Enlisted.....	1,427	372	971	20	2	62	100.0	26.1	68.1	1.4	0.1	4.3
Navy Officer.....	117	43	72	1	1		100.0	36.8	61.6	0.8	0.8	0
Navy Enlisted.....	1,310	329	899	19	1	62	100.0	25.1	68.6	1.5	0.1	4.7
Marine Officer and Enlisted.....	33	14	10	1		8	100.0	42.4	30.3	3.0	0	24.3
Marine Officer.....	2	1	1				100.0	50.0	50.0	0	0	0
Marine Enlisted.....	31	13	9	1		8	100.0	41.9	29.1	3.2	0	25.8
Battle of Tassafaronga.....	510	105	389	8		8	100.0	20.6	76.2	1.6	0	1.6
Navy Officer and Enlisted.....	498	93	389	8		8	100.0	18.7	78.1	1.6	0	1.6
Navy Officer.....	26	8	18				100.0	30.8	69.2	0	0	0
Navy Enlisted.....	472	85	371	8		8	100.0	18.0	78.6	1.7	0	1.7
Marine Officer and Enlisted.....	12	12					100.0	100.0	0	0	0	0
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	12	12					100.0	100.0	0	0	0	0
Capture of remaining Solomons	6,081	3,453	2,027	124	26	451	100.0	56.8	33.3	2.1	0.4	7.4
Navy Officer and Enlisted.....	3,149	1,673	1,246	56		174	100.0	53.1	39.6	1.8	0	5.5
Navy Officer.....	313	193	115	4		1	100.0	61.7	36.7	1.3	0	0.3
Navy Enlisted.....	2,836	1,480	1,131	52		173	100.0	52.2	39.9	1.8	0	6.1
Marine Officer and Enlisted.....	2,932	1,780	781	68	26	277	100.0	60.7	26.6	2.3	0.9	9.5
Marine Officer.....	276	137	129	1	9		100.0	49.6	46.7	0.4	3.3	0
Marine Enlisted.....	2,656	1,643	652	67	17	277	100.0	61.9	24.6	2.5	0.6	10.4
Battle of Tarawa.....	4,119	2,175	1,674	37		233	100.0	52.8	40.6	0.9	0	5.7
Navy Officer and Enlisted.....	1,043	293	724	3		23	100.0	28.1	69.4	0.3	0	2.2
Navy Officer.....	99	42	57				100.0	42.4	57.6	0	0	0
Navy Enlisted.....	944	251	667	3		23	100.0	26.6	70.7	0.3	0	2.4
Marine Officer and Enlisted.....	3,076	1,882	950	34		210	100.0	61.2	30.9	1.1	0	6.8
Marine Officer.....	144	86	56	2			100.0	59.7	38.9	1.4	0	0
Marine Enlisted.....	2,932	1,796	894	32		210	100.0	61.2	30.5	1.1	0	7.2
Battle of Cape Gloucester.....	1,803	1,112	470	42	2	177	100.0	61.7	26.1	2.3	0.1	9.8
Navy Officer and Enlisted.....	382	208	145	9		20	100.0	54.4	38.0	2.4	0	5.2
Navy Officer.....	32	18	11	3			100.0	56.2	34.4	1.7	0	0
Navy Enlisted.....	350	190	134	6		20	100.0	54.3	38.3	1.7	0	5.7
Marine Officer and Enlisted.....	1,421	904	325	33	2	157	100.0	63.6	22.9	2.3	0.1	11.1
Marine Officer.....	110	57	50		2	1	100.0	51.8	45.5	0	1.8	0.9
Marine Enlisted.....	1,311	847	275	33		156	100.0	64.6	21.0	2.5	0	11.9
Invasion of Marshall Islands.....	2,388	1,577	588	37	1	185	100.0	66.0	24.6	1.6	0.1	7.7
Navy Officer and Enlisted.....	751	516	187	3	1	44	100.0	68.7	24.9	0.4	0.1	5.9
Navy Officer.....	132	59	72		1		100.0	44.7	54.5	0	0.8	0
Navy Enlisted.....	619	457	115	3		44	100.0	73.8	18.6	0.5	0	7.1
Marine Officer and Enlisted.....	1,637	1,061	401	34		141	100.0	64.8	24.5	2.1	0	8.6
Marine Officer.....	97	60	36			1	100.0	61.9	37.1	0	0	1.0
Marine Enlisted.....	1,540	1,001	365	34		140	100.0	65.0	23.7	2.2	0	9.1

APPENDIX TABLE 14.—*Casualties due to enemy action, place of action and type of service by disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Place of action	Frequencies						Percent					
	Total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Inval- idated from service	Percent of total	Duty	Killed in action	Wounded, died subse- quently	Died, prisoner of war	Inva- lidated from service
Invasion of Marianas Islands . .	19,310	12,050	4,508	385	1	2,366	100.0	62.4	23.3	2.0	0.0	12.3
Navy Officer and Enlisted	2,148	1,363	513	43	1	228	100.0	63.5	23.9	2.0	0.0	10.6
Navy Officer	225	128	93	2	.....	2	100.0	56.9	41.3	0.9	0	0.9
Navy Enlisted	1,923	1,235	420	41	1	226	100.0	64.2	21.8	2.1	0.1	11.8
Marine Officer and Enlisted	17,162	10,687	3,995	342	.....	2,138	100.0	62.3	23.3	2.0	0	12.4
Marine Officer	887	611	253	16	.....	7	100.0	68.9	28.5	1.8	0	0.8
Marine Enlisted	16,275	10,076	3,742	326	.....	2,131	100.0	61.9	23.0	2.0	0	13.1
Invasion of Palau Islands	7,094	4,877	1,356	111	1	749	100.0	68.7	19.1	1.6	0.0	10.6
Navy Officer and Enlisted	699	436	185	10	.....	68	100.0	62.4	26.5	1.4	0	9.7
Navy Officer	76	40	35	.....	.....	1	100.0	52.6	46.1	0	0	1.3
Navy Enlisted	623	396	150	10	.....	67	100.0	63.6	24.1	1.6	0	10.7
Marine Officer and Enlisted	6,395	4,441	1,171	101	1	681	100.0	69.5	18.3	1.6	0.0	10.6
Marine Officer	315	228	80	4	.....	3	100.0	72.4	25.4	1.3	0	0.9
Marine Enlisted	6,080	4,213	1,091	97	1	678	100.0	69.3	17.9	1.6	0.0	11.2
Landings on Biak and New Guinea	526	316	164	6	.....	40	100.0	60.1	31.2	1.1	0	7.6
Navy Officer and Enlisted	526	316	164	6	.....	40	100.0	60.1	31.2	1.1	0	7.6
Navy Officer	61	33	25	2	.....	1	100.0	54.1	41.0	3.3	0	1.6
Navy Enlisted	465	283	139	4	.....	39	100.0	60.9	29.9	0.8	0	8.4
Marine Officer and Enlisted . . . . .	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Officer . . . . .	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Marine Enlisted . . . . .	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0
Bombardment of Truk	227	126	85	3	.....	13	100.0	55.5	37.5	1.3	0	5.7
Navy Officer and Enlisted	210	117	78	3	.....	12	100.0	55.7	37.2	1.4	0	5.7
Navy Officer	39	16	23	.....	.....	.....	100.0	41.0	59.0	0	0	0
Navy Enlisted	171	101	55	3	.....	12	100.0	59.0	32.2	1.8	0	7.0
Marine Officer and Enlisted	17	9	7	.....	.....	1	100.0	52.9	41.2	0	0	5.9
Marine Officer	13	6	7	.....	.....	.....	100.0	46.2	53.8	0	0	0
Marine Enlisted	4	3	.....	.....	.....	1	100.0	75.0	0	0	0	25.0
Return to the Philippines	11,201	5,867	4,158	280	41	855	100.0	52.4	37.1	2.5	0.4	7.6
Navy Officer and Enlisted	10,820	5,654	4,026	270	40	830	100.0	52.2	37.2	2.5	0.4	7.7
Navy Officer	953	591	340	18	2	2	100.0	62.0	35.7	1.9	0.2	0.2
Navy Enlisted	9,867	5,063	3,686	252	38	828	100.0	51.2	37.4	2.6	0.4	8.4
Marine Officer and Enlisted	381	213	132	10	1	25	100.0	55.9	34.6	2.6	0.3	6.6
Marine Officer	79	34	43	2	.....	.....	100.0	43.1	54.4	2.5	0	0
Marine Enlisted	302	179	89	8	1	25	100.0	59.3	29.5	2.6	0.3	8.3
Battle of Iwo Jima	21,677	11,711	5,841	662	.....	3,463	100.0	54.0	26.9	3.1	0	16.0
2 Navy Officer and Enlisted	2,634	1,303	934	48	.....	349	100.0	49.5	35.5	1.8	0	13.2
Navy Officer	185	97	83	2	.....	3	100.0	52.4	44.9	1.1	0	1.6
Navy Enlisted	2,449	1,206	851	46	.....	346	100.0	49.2	34.7	1.9	0	14.2
Marine Officer and Enlisted	19,043	10,408	4,907	614	.....	3,114	100.0	54.6	25.8	3.2	0	16.4
Marine Officer	811	533	228	35	.....	15	100.0	65.7	28.1	4.3	0	1.9
Marine Enlisted	18,232	9,875	4,679	579	.....	3,099	100.0	54.1	25.7	3.2	0	17.0
Bombardments of Formosa and French Indo-China	459	145	272	9	2	31	100.0	31.6	59.2	2.0	0.4	6.8
Navy Officer and Enlisted	453	143	269	9	2	30	100.0	31.6	59.4	2.0	0.4	6.6
Navy Officer	83	34	47	2	.....	.....	100.0	41.0	56.6	2.4	0	0
Navy Enlisted	370	109	222	7	2	30	100.0	29.5	60.0	1.9	0.5	8.1
Marine Officer and Enlisted	6	2	3	.....	.....	1	100.0	33.3	50.0	0	0	16.7
Marine Officer	1	.....	1	.....	.....	.....	100.0	0	100.0	0	0	0
Marine Enlisted	5	2	2	.....	.....	1	100.0	40.0	40.0	0	0	20.0
Bombing and landings on Okinawa	24,928	14,758	6,700	566	.....	2,904	100.0	59.2	26.9	2.3	0	11.6
Navy Officer and Enlisted	10,007	5,109	3,803	219	.....	876	100.0	51.0	38.0	2.2	0	8.8
Navy Officer	833	477	338	15	.....	3	100.0	57.3	40.6	1.8	0	0.3
Navy Enlisted	9,174	4,632	3,465	204	.....	873	100.0	50.5	37.8	2.2	0	9.5
Marine Officer and Enlisted	14,921	9,649	2,897	347	.....	2,028	100.0	64.7	19.4	2.3	0	13.6
Marine Officer	760	533	194	26	.....	7	100.0	70.2	25.5	3.4	0	0.9
Marine Enlisted	14,161	9,116	2,703	321	.....	2,021	100.0	64.4	19.1	2.2	0	14.3
Bombardment of Kyushu Island and Japan	1,390	318	1,024	6	1	41	100.0	22.9	73.7	0.4	0.1	2.9
Navy Officer and Enlisted	1,301	293	963	6	1	38	100.0	22.5	74.0	0.5	0.1	2.9
Navy Officer	204	56	146	1	1	.....	100.0	27.4	71.6	0.5	0.5	0
Navy Enlisted	1,097	237	817	5	.....	38	100.0	21.6	74.5	0.4	0.0	3.5
Marine Officer and Enlisted	89	25	61	.....	.....	3	100.0	28.1	68.5	0	0	3.4
Marine Officer	20	10	9	.....	.....	1	100.0	50.0	45.0	0	0	5.0
Marine Enlisted	69	15	52	.....	.....	2	100.0	21.7	75.4	0	0	2.9

APPENDIX TABLE 14.—*Casualties due to enemy action, place of action and type of service by disposition,
Navy and Marine Corps: 7 December 1941 to 31 December 1946—Continued*

Place of action	Frequencies						Percent					
	Total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalided from service	Percent of total	Duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalided from service
Aleutian or Alaskan area, unspecified.....	346	153	179	1		13	100.0	44.2	51.7	0.3	0	3.8
Navy Officer and Enlisted.....	293	107	177	1		8	100.0	36.5	60.4	0.3	0	2.8
Navy Officer.....	32	8	24				100.0	25.0	75.0	0	0	0
Navy Enlisted.....	261	99	153	1		8	100.0	37.9	58.6	0.4	0	3.1
Marine Officer and Enlisted.....	53	46	2			5	100.0	86.8	3.8	0	0	9.4
Marine Officer.....	4	4					100.0	100.0	0	0	0	0
Marine Enlisted.....	49	42	2			5	100.0	85.7	4.1	0	0	10.2
Pacific or Asiatic area, unspecified.....	5,351	574	4,482	12	94	189	100.0	10.7	83.8	0.2	1.8	3.5
Navy Officer and Enlisted.....	5,325	570	4,462	12	93	188	100.0	10.7	83.8	0.2	1.8	3.5
Navy Officer.....	947	96	834	2	13	2	100.0	10.1	88.1	0.2	1.4	0.2
Navy Enlisted.....	4,378	474	3,628	10	80	186	100.0	10.8	82.9	0.2	1.8	4.3
Marine Officer and Enlisted.....	26	4	20		1	1	100.0	15.4	77.0	0	3.8	3.8
Marine Officer.....							0	0	0	0	0	0
Marine Enlisted.....	26	4	20		1	1	100.0	15.4	77.0	0	3.8	3.8
After July 1, 1945.....	2,280	856	1,144	14	6	260	100.0	37.5	50.2	0.6	0.3	11.4
Navy Officer and Enlisted.....	1,859	652	1,103	14	2	88	100.0	35.1	59.3	0.8	0.1	4.7
Navy Officer.....	57	41	13		1	2	100.0	71.9	22.8	0	1.8	3.5
Navy Enlisted.....	1,802	611	1,090	14	1	86	100.0	33.9	60.5	0.8	0.1	4.7
Marine Officer and Enlisted.....	421	204	41		4	172	100.0	48.5	9.7	0	1.0	40.8
Marine Officer.....	7	4	3				100.0	57.1	42.9	0	0	0
Marine Enlisted.....	414	200	38		4	172	100.0	48.3	9.2	0	1.0	41.5
Specific action not determined	6,708	3,046	2,065	30	73	1,494	100.0	45.4	30.8	0.4	1.1	22.3
Navy Officer and Enlisted.....	4,194	1,652	1,719	20	30	773	100.0	39.4	41.0	0.5	0.7	18.4
Navy Officer.....	595	180	396	2	9	8	100.0	30.3	66.6	0.3	1.5	1.3
Navy Enlisted.....	3,599	1,472	1,323	18	21	765	100.0	40.9	36.8	0.5	0.6	21.2
Marine Officer and Enlisted.....	2,514	1,394	346	10	43	721	100.0	55.4	13.8	0.4	1.7	28.7
Marine Officer.....	269	129	133	1	4	2	100.0	48.0	49.4	0.4	1.5	0.7
Marine Enlisted.....	2,245	1,265	213	9	39	719	100.0	56.4	9.5	0.4	1.7	32.0

APPENDIX TABLE 15.—*Casualties due to enemy action, type of ship by disposition, Navy and Marine Corps aboard ship:
7 December 1941 to 31 December 1946*

Item	Total	Navy	Marine Corps	Disposition				
				Returned to duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalided from service
Total, all ships.....	54,621	53,239	1,382	21,697	28,792	847	381	2,904
Battleship.....	3,835	3,568	267	1,360	2,187	61	1	226
Heavy cruiser.....	4,968	4,775	193	1,566	3,154	39	77	132
Large cruiser.....	2	2		2				
Light cruiser.....	3,010	2,878	132	1,098	1,644	60	1	207
Aircraft carrier.....	5,402	5,143	259	2,024	3,056	57	2	263
Aircraft carrier, large.....	2	2		2				
Aircraft carrier, small.....	745	731	14	363	344	10		28
Aircraft carrier, escort.....	2,643	2,614	29	946	1,557	52		88
Destroyer.....	11,036	11,020	16	4,318	5,992	194	29	503
Escort vessel.....	98	97	1	43	51	3		1
Submarine.....	3,256	3,255	1	67	3,166	2	14	7
Mine-laying submarine.....	99	99			99			
Oiler, submarine.....	95	95			95			
Mine layer.....	679	679		323	252	13		91
Mine sweeper.....	1,178	1,177	1	570	413	30	64	101
Submarine chaser.....	362	362		195	120	6	1	40
Escort.....	109	109		78	15	5		11
Gunboat.....	373	373		52	265	4	49	3
Motor torpedo boat.....	725	725		456	206	18	2	43
Yacht.....	66	66			66			
Hospital ship.....	577	559	18	429	27	14		107
Transport.....	865	665	200	607	182	16		60
Transport, attack.....	2,696	2,551	145	1,632	733	78		253
Administration flagship.....	2	2			1			1
Repair ship.....	248	248		169	52	5		22
Floating drydock.....	20	20		19	1			
Submarine tender.....	187	187		39	52		94	2
Submarine rescue vessel.....	12	12			2		9	1
Fleet (ocean tug).....	356	356		152	156	6	20	22
Seaplane tender.....	768	760	8	302	428	14	2	22
Oiler, fuel oil tanker.....	743	743		201	508	12		22
Cargo ship.....	450	417	33	304	99	8		39

APPENDIX TABLE 15.—Casualties due to enemy action, type of ship by disposition, Navy and Marine Corps aboard ship:
7 December 1941 to 31 December 1946—Continued

Item	Total	Navy	Marine	Disposition				
				Returned to duty	Killed in action	Wounded, died subsequently	Died, prisoner of war	Invalided from service
Destroyer tender.....	14	14	.....	7	5	.....	.....	2
Ammunition ship.....	8	8	.....	5	2	.....	.....	1
Crane ship.....	330	326	4	187	108	7	.....	28
Landing ship.....	3,275	3,227	48	1,888	1,085	60	1	241
Landing craft.....	1,867	1,863	4	1,127	535	37	.....	168
Miscellaneous.....	45	44	1	23	12	1	.....	9
District and yard craft.....	369	369	.....	190	130	7	8	34
Armed guard.....	2,628	2,628	.....	691	1,835	24	3	75
Men in transit.....	10	9	1	9	1	.....	.....	.....
Non-Navy ships.....	37	35	2	23	6	1	.....	7
Beach party, beach bn.....	144	144	.....	107	22	1	.....	14
Unknown.....	287	282	5	123	128	2	4	30

APPENDIX TABLE 16.—Casualties due to enemy action, aviation personnel¹ by disposition, Navy and Marine Corps:
7 December 1941 to 31 December 1946

TOTAL												
Type of personnel	Total	Frequency					Total	Percent				
		Duty	Killed in action	Wounded, died sub-sequently	Died, prisoner of war	Invalided from service		Duty	Killed in action	Wounded, died sub-sequently	Died, prisoner of war	Invalided from service
Total.....	7,081	2,299	4,406	56	52	268	100.0	32.5	62.2	0.8	0.7	3.8
Officers.....	2,309	649	1,635	8	15	2	100.0	28.1	70.9	0.3	0.6	0.1
Enlisted.....	4,772	1,650	2,771	48	37	266	100.0	34.6	58.0	1.0	0.8	5.6
Navy.....	5,938	1,767	3,860	45	46	220	100.0	29.7	65.0	0.8	0.8	3.7
Officers...	1,826	467	1,340	6	11	2	100.0	25.6	73.4	0.3	0.6	0.1
Enlisted...	4,112	1,300	2,520	39	35	218	100.0	31.6	61.3	0.9	0.9	5.3
Marine Corps...	1,143	532	546	11	6	48	100.0	46.5	47.8	1.0	0.5	4.2
Officers...	483	182	295	2	4	.....	100.0	37.7	61.1	0.4	0.8	0
Enlisted...	660	350	251	9	2	48	100.0	53.0	38.0	1.4	0.3	7.3
PILOTS WITH FLIGHT ORDERS												
Total.....	2,137	518	1,595	6	14	4	100.0	24.2	74.6	0.3	0.7	0.2
Officers.....	2,116	509	1,585	6	14	2	100.0	24.0	74.9	0.3	0.7	0.1
Enlisted.....	21	9	10	.....	.....	2	100.0	42.9	47.6	0	0	9.5
Navy.....	1,719	385	1,316	5	11	2	100.0	22.4	76.6	0.3	0.6	0.1
Officers...	1,701	377	1,306	5	11	2	100.0	22.2	76.8	0.3	0.6	0.1
Enlisted...	18	8	10	.....	.....	2	100.0	44.4	55.6	0	0	0
Marine Corps...	418	133	279	1	3	.....	100.0	31.8	66.8	0.2	0.7	0.5
Officers...	415	132	279	1	3	.....	100.0	31.8	67.2	0.3	0.7	0
Enlisted...	3	1	.....	.....	.....	2	100.0	33.3	0	0	0	66.7
NONPILOTS WITH FLIGHT ORDERS												
Total.....	1,068	505	482	11	2	68	100.0	47.3	45.1	1.0	0.2	6.4
Officers.....	39	22	16	1	.....	.....	100.0	56.4	41.0	2.6	0	0
Enlisted.....	1,029	483	466	10	2	68	100.0	46.9	45.3	1.0	0.2	6.6
Navy.....	888	427	390	9	1	61	100.0	48.1	43.9	1.0	0.1	6.9
Officers...	36	19	16	1	.....	.....	100.0	52.8	44.4	2.8	0	0
Enlisted...	852	408	374	8	1	61	100.0	47.9	43.9	0.9	0.1	7.2
Marine Corps...	180	78	92	2	1	7	100.0	43.3	51.1	1.1	0.6	3.9
Officers...	3	3	.....	.....	.....	.....	100.0	100.0	0	0	0	0
Enlisted...	177	75	92	2	1	7	100.0	42.4	52.0	1.1	0.6	3.9
AVIATION PERSONNEL WITHOUT FLIGHT ORDERS												
Total.....	3,876	1,276	2,329	39	36	196	100.0	32.9	60.1	1.0	0.9	5.1
Officers.....	154	118	34	1	1	.....	100.0	76.6	22.0	0.7	0.7	0
Enlisted.....	3,722	1,158	2,295	38	35	196	100.0	31.1	61.7	1.0	0.9	5.3
Navy.....	3,331	955	2,154	31	34	157	100.0	28.7	64.7	0.9	1.0	4.7
Officers...	89	71	18	.....	.....	.....	100.0	79.8	20.2	0	0	0
Enlisted...	3,242	884	2,136	31	34	157	100.0	27.3	65.9	1.0	1.0	4.8
Marine Corps...	545	321	175	8	2	39	100.0	58.9	32.1	1.5	0.4	7.1
Officers...	65	47	16	1	1	.....	100.0	72.3	24.7	1.5	1.5	0
Enlisted...	480	274	159	7	1	39	100.0	57.1	33.1	1.5	0.2	8.1

¹ Includes all casualties among such personnel irrespective of relationship of injury to aerial flight.

APPENDIX TABLE 17.—*Casualties due to enemy action, length of service, officer and enlisted, Navy and Marine Corps:*
7 December 1941 to 31 December 1946

Service	Total	Length of service				
		Less than 6 months	6-11 months	12-23 months	24-36 months	Over 36 months
NUMBER						
Total, Navy and Marine Corps.....	144,206	1,417	19,645	55,343	41,276	26,525
Navy.....	69,242	1,242	9,438	25,629	18,409	14,524
Officers.....	6,755	56	421	1,624	1,962	2,692
Enlisted.....	62,487	1,186	9,017	24,005	16,447	11,832
Marine Corps.....	74,964	175	10,207	29,714	22,867	12,001
Officers.....	4,151	18	105	808	1,464	1,756
Enlisted.....	70,813	157	10,102	28,906	21,403	10,245
PERCENT						
Total, Navy and Marine Corps.....	100.0	1.0	13.6	38.4	28.6	18.4
Navy.....	100.0	1.8	13.6	37.0	26.6	21.0
Officers.....	100.0	0.8	6.2	24.1	29.0	39.9
Enlisted.....	100.0	1.9	14.4	38.4	26.3	19.0
Marine Corps.....	100.0	0.2	13.6	39.7	30.5	16.0
Officers.....	100.0	0.4	2.5	19.5	35.3	42.3
Enlisted.....	100.0	0.2	14.3	40.8	30.2	14.5

APPENDIX TABLE 18.—*Casualties due to enemy action, by length of service and year, Navy and Marine Corps:*
7 December 1941 to 31 December 1946

Year	Total	Length of service				
		Less than 6 months	6 to 11 months	12 to 23 months	24 to 36 months	Over 36 months
NUMBER						
Total.....	1 144,206	1,417	19,645	55,343	41,276	26,525
1941.....	2,776	75	353	1,211	387	750
1942.....	17,117	499	3,765	4,492	3,814	4,547
1943.....	18,118	359	3,441	8,320	2,929	3,069
1944.....	47,405	331	5,429	20,860	14,148	6,637
1945.....	58,723	152	6,657	20,451	19,981	11,482
PERCENTAGE BY LENGTH OF SERVICE						
Total.....	100.0	1.0	13.6	38.4	28.6	1.48
1941.....	100.0	2.7	12.7	43.6	13.9	27.1
1942.....	100.0	2.9	22.0	26.2	22.3	26.6
1943.....	100.0	2.0	19.0	45.9	16.2	16.9
1944.....	100.0	0.7	11.5	44.0	29.8	14.0
1945.....	100.0	0.3	11.3	34.8	34.0	19.6
PERCENTAGE BY YEARS						
Total.....	100.0	100.0	100.0	100.0	100.0	100.0
1941.....	1.9	5.3	1.8	2.2	0.9	2.8
1942.....	11.9	35.2	19.2	8.1	9.2	17.1
1943.....	12.6	25.3	17.5	15.0	7.1	11.6
1944.....	32.9	23.4	27.6	37.7	34.3	25.0
1945.....	40.7	10.7	33.9	37.0	48.4	43.3

¹ Includes 67 casualties that occurred in 1946.

APPENDIX TABLE 19.—*Casualties due to enemy action, distribution of sick days by year, Navy and Marine Corps:*
7 December 1941 to 31 December 1946

Sick days	Frequency							Percent						
	Total	1941	1942	1943	1944	1945	1946	Total	1941	1942	1943	1944	1945	1946
Total	144,206	2,776	17,117	18,118	47,405	58,723	67	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Killed in action	51,983	1,995	9,426	8,248	14,358	17,953	3	36.0	71.9	55.1	45.5	30.3	30.6	4.5
Under 10 days	26,797	376	3,213	3,236	10,175	9,774	23	18.6	13.5	18.8	17.9	21.5	16.6	34.3
10 to 19 days	9,209	92	672	855	3,486	4,095	9	6.4	3.3	3.9	4.7	7.3	7.0	13.4
20 to 29 days	6,764	50	355	566	2,503	3,284	6	4.7	1.8	2.1	3.1	5.3	5.6	9.0
30 to 44 days	8,369	35	365	780	3,017	4,166	6	5.8	1.3	2.1	4.3	6.4	7.1	9.0
45 to 59 days	4,905	19	400	661	1,762	2,059	4	3.4	0.7	2.3	3.7	3.7	3.5	5.9
2 to 3 months	5,255	33	480	586	1,770	2,378	8	3.7	1.2	2.8	3.2	3.7	4.1	11.9
3 to 4 months	4,123	42	294	461	1,140	2,183	3	2.9	1.5	1.7	2.5	2.4	3.7	4.5
4 to 5 months	3,951	11	289	367	1,095	2,187	2	2.7	0.4	1.7	2.0	2.3	3.7	3.0
5 to 6 months	3,805	14	230	355	1,080	2,125	1	2.6	0.5	1.4	2.0	2.3	3.6	1.5
6 months to 1 year	13,543	78	891	1,311	4,673	6,588	2	9.4	2.8	5.2	7.2	9.8	11.2	3.0
1 to 2 years	5,068	28	420	618	2,128	1,874	.....	3.5	1.0	2.4	3.4	4.5	3.2	0
Over 2 years	434	3	82	74	218	57	.....	0.3	0.1	0.5	0.4	0.4	0.1	0
NAVY OFFICER														
Total	6,755	132	1,118	1,019	2,181	2,301	4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Killed in action	3,671	89	666	578	1,139	1,199	.....	54.3	67.4	59.7	56.6	52.3	52.2	0
Under 10 days	1,430	24	226	196	486	496	2	21.2	18.2	20.2	19.1	22.4	21.6	50.0
10 to 19 days	297	5	33	52	101	105	1	4.4	3.8	3.0	5.1	4.6	4.6	25.0
20 to 29 days	163	2	15	22	64	65	.....	2.4	1.5	1.3	2.2	2.9	2.6	0
30 to 44 days	154	2	16	21	50	65	.....	2.3	1.5	1.4	2.1	2.3	2.8	0
45 to 59 days	98	2	15	19	29	33	.....	1.4	1.5	1.3	1.9	1.3	1.4	0
2 to 3 months	119	.....	35	11	29	44	.....	1.8	0	3.1	1.1	1.3	1.9	0
3 to 4 months	105	2	13	17	38	34	1	1.6	1.5	1.2	1.7	1.7	1.5	25.0
4 to 5 months	108	1	16	14	37	40	.....	1.6	0.8	1.4	1.4	1.7	1.7	0
5 to 6 months	101	.....	17	16	33	35	.....	1.5	0	1.5	1.6	1.5	1.5	0
6 months to 1 year	332	3	46	48	115	120	.....	4.9	2.3	4.1	4.7	5.3	5.2	0
1 to 2 years	158	2	16	20	51	69	.....	2.3	1.5	1.4	2.0	2.3	3.0	0
Over 2 years	19	.....	4	5	9	1	.....	0.3	0	0.4	0.5	0.4	0.0	0
NAVY ENLISTED														
Total	62,487	2,460	11,689	10,081	17,600	20,612	45	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Killed in action	30,936	1,790	7,581	5,750	7,183	8,630	2	49.5	72.8	64.9	57.1	40.9	42.0	4.4
Under 10 days	12,556	320	1,894	1,832	3,994	4,503	13	20.1	13.0	16.2	18.2	22.8	21.9	28.9
10 to 19 days	3,364	46	465	466	1,212	1,138	7	5.4	3.1	4.0	4.6	6.9	5.5	15.6
20 to 29 days	2,191	45	191	287	815	849	4	3.5	1.8	1.6	2.8	4.6	4.1	8.9
30 to 44 days	2,212	33	153	252	895	1,074	5	3.5	1.3	1.3	2.5	3.9	5.2	11.1
45 to 59 days	1,236	15	180	168	405	465	3	2.0	0.6	1.5	1.7	2.3	2.2	6.7
2 to 3 months	1,547	29	227	220	448	616	7	2.5	1.2	1.9	2.2	2.5	3.0	15.6
3 to 4 months	1,214	37	154	171	373	478	1	1.9	1.5	1.3	1.7	2.1	2.3	2.2
4 to 5 months	1,158	9	141	143	340	524	1	1.8	0.4	1.2	1.4	1.9	2.5	2.2
5 to 6 months	972	12	92	110	303	455	.....	1.6	0.5	0.8	1.1	1.7	2.2	0
6 months to 1 year	3,619	67	375	469	1,275	1,431	2	5.8	2.7	3.2	4.6	7.3	6.9	4.4
1 to 2 years	1,349	24	195	195	500	435	.....	2.2	1.0	1.7	1.9	2.8	2.1	0
Over 2 years	133	3	41	18	57	14	.....	0.2	0.1	0.4	0.2	0.3	0.1	0
MARINE OFFICER														
Total	4,151	7	319	475	1,536	1,811	3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Killed in action	1,359	4	119	195	495	546	.....	32.7	57.2	37.3	41.2	32.3	30.1	0
Under 10 days	825	3	94	90	344	293	1	19.9	42.8	29.5	18.9	22.4	16.2	33.4
10 to 19 days	219	.....	9	11	73	126	.....	5.3	0	2.8	2.3	4.8	7.0	0
20 to 29 days	180	.....	7	13	63	97	.....	4.3	0	2.2	2.7	4.1	5.4	0
30 to 44 days	290	.....	14	28	119	129	.....	7.0	0	4.4	5.9	7.7	7.1	0
45 to 59 days	178	.....	9	29	78	62	.....	4.3	0	2.8	6.1	5.1	3.4	0
2 to 3 months	133	.....	13	18	54	47	1	3.2	0	4.1	3.8	3.5	2.6	33.3
3 to 4 months	84	.....	6	13	21	44	.....	2.0	0	1.9	2.7	1.4	2.4	0
4 to 5 months	110	.....	6	10	24	70	.....	2.6	0	1.9	2.1	1.6	3.9	0
5 to 6 months	127	.....	8	10	39	69	1	3.1	0	2.5	2.1	2.5	3.8	33.3
6 months to 1 year	402	.....	24	34	128	216	.....	9.7	0	7.5	7.2	8.3	11.9	0
1 to 2 years	221	.....	9	22	79	111	.....	5.3	0	2.8	4.6	5.1	6.1	0
Over 2 years	23	.....	1	2	19	1	.....	0.6	0	0.3	0.4	1.2	0.1	0
MARINE CORPS ENLISTED														
Total	70,813	177	3,991	6,543	26,088	33,999	15	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Killed in action	16,017	112	1,060	1,725	5,541	7,578	1	22.6	63.4	26.6	26.4	21.3	22.3	6.7
Under 10 days	11,986	29	999	1,118	5,351	4,482	7	16.9	16.4	25.0	17.1	20.6	13.2	46.6
10 to 19 days	5,329	11	165	326	2,100	2,726	1	7.5	6.2	4.1	5.0	8.0	8.0	6.7
20 to 29 days	4,250	3	142	244	1,561	2,278	2	6.0	1.7	3.6	3.7	6.0	6.7	13.2
30 to 44 days	5,713	.....	182	479	2,153	2,898	1	8.1	0	4.6	7.3	8.2	8.5	6.7
45 to 59 days	3,393	2	106	445	1,250	1,499	1	4.8	1.1	4.9	6.8	4.8	4.4	6.7
2 to 3 months	3,456	4	205	337	1,239	1,671	.....	4.9	2.2	5.1	5.2	4.7	4.9	0
3 to 4 months	2,720	3	121	260	708	1,627	1	3.8	1.7	3.0	4.0	2.7	4.8	6.7
4 to 5 months	2,575	1	116	200	694	1,553	1	3.6	0.6	3.2	3.1	2.7	4.6	6.7
5 to 6 months	2,605	2	113	219	705	1,566	.....	3.7	1.1	2.8	3.3	2.7	4.6	0
6 months to 1 year	9,190	8	446	760	3,155	4,821	.....	13.0	4.5	11.2	11.6	12.1	14.2	0
1 to 2 years	3,340	2	200	381	1,498	1,259	.....	4.7	1.1	5.0	5.8	5.7	3.7	0
Over 2 years	259	.....	36	49	133	41	.....	0.4	0	0.9	0.7	0.5	0.1	0

APPENDIX TABLE 20.—*Casualties due to enemy action, officers by rank, Navy and Marine Corps: 7 December 1941 to 31 December 1946*

Type of personnel	Total	Navy	Marine Corps
Total.....	10,906	6,755	4,151
Admiral-General.....	8	8	10
Captain-Colonel.....	55	45	91
Commander-Lieutenant Colonel.....	272	181	91
Lieutenant Commander-Major.....	597	416	181
Lieutenant-Captain.....	2,063	1,492	571
Lieutenant (jg)-First Lieutenant.....	3,740	2,161	1,579
Ensign-Second Lieutenant.....	3,741	2,140	1,601
Warrant-Warrant.....	423	311	112
Unspecified.....	7	1	6

APPENDIX TABLE 21.—*Casualties due to enemy action, deaths by age group and month and year of casualty, Navy and Marine Corps: 7 December 1941 through 31 December 1946¹*

Age group (years)	Total	Month											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total.....	2,041												2,041
Under 20.....	365												365
20-24.....	1,114												1,114
25-29.....	308												308
30-34.....	91												91
35-39.....	71												71
40-44.....	55												55
45-49.....	25												25
50-54.....	11												11
55-59.....	1												1
60-64.....													
65 and over.....													
Total.....	10,790	134	625	1,751	119	1,957	455	99	1,878	656	926	1,993	197
Under 20.....	1,520	24	50	62	14	173	44	21	372	105	196	410	49
20-24.....	5,268	66	294	873	55	852	213	44	921	328	467	1,061	94
25-29.....	2,065	27	144	353	29	392	120	19	367	115	162	309	28
30-34.....	866	10	71	221	11	174	35	6	95	56	59	114	14
35-39.....	533	2	45	148	4	145	21	3	57	28	27	48	5
40-44.....	360	4	16	70	6	131	13	3	43	17	11	40	6
45-49.....	132	1	4	18		74	6	2	14	2	3	7	1
50-54.....	41			5		15	3	1	8	4	1	4	
55-59.....	3			1		1			1	1			
60-64.....	2		1										
65 and over.....													
Total.....	8,564	455	517	435	216	187	309	1,092	453	820	674	2,690	716
Under 20.....	1,593	38	76	67	29	29	48	165	76	137	110	646	172
20-24.....	4,509	258	255	243	112	98	143	577	221	438	360	1,455	349
25-29.....	1,489	99	104	81	43	36	59	199	98	126	134	384	126
30-34.....	551	34	46	29	13	17	35	77	29	58	44	126	43
35-39.....	251	16	18	10	12	6	15	42	19	35	16	45	17
40-44.....	115	7	15	2	6	1	4	20	7	17	7	24	5
45-49.....	46	3	3	1	1		4	9	3	8	3	8	3
50-54.....	7						1	2		1		2	1
55-59.....	2			1				1					
60-64.....	1			1									
65 and over.....													
Total.....	15,269	577	741	403	310	458	2,945	2,905	649	1,381	2,695	1,051	1,154
Under 20.....	2,749	50	73	37	42	99	499	540	112	279	462	197	259
20-24.....	8,528	358	469	230	176	224	1,714	1,743	370	788	1,379	546	531
25-29.....	2,576	120	144	92	62	73	483	450	108	234	435	177	198
30-34.....	904	25	39	27	21	38	169	136	32	56	183	77	101
35-39.....	353	12	10	15	7	19	60	22	21	16	90	36	45
40-44.....	112	7	6	2	1	1	14	12	4	4	33	13	15
45-49.....	40	4				4	5	1	2	4	13	4	3
50-54.....	6	1			1		1	1					2
55-59.....	1											1	
60-64.....													
65 and over.....													

APPENDIX TABLE 21.—*Casualties due to enemy action, deaths by age group and month and year of casualty, Navy and Marine Corps: 7 December 1941 to 31 December 1946*¹—Continued

Age group (years)	Total	Month											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total..... ¹⁹⁴⁵	19,389	1,207	3,743	4,858	2,371	4,047	1,441	1,404	288	12	2	2	14
Under 20.....	2,769	133	456	723	225	683	280	223	41	4	.....	.....	1
20-24.....	10,782	664	2,176	2,766	1,332	2,192	759	715	161	3	1	1	12
25-29.....	3,873	253	765	980	501	755	279	274	64	1	.....	1	.....
30-34.....	1,293	90	224	272	201	278	87	126	11	3	1	.....	.....
35-39.....	537	49	100	97	85	113	31	52	9	1	.....	.....	.....
40-44.....	87	10	15	12	19	17	2	10	2	.....	.....	.....	.....
45-49.....	41	5	5	8	7	9	3	4	.....	.....	.....	.....	.....
50-54.....	6	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1
55-59.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60-64.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65 and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ During 1946, 3 deaths were reported for the age group 20-24 (1 Feb., 1 Mar., and 1 Apr.).

NOTE: Deaths include those who were: (1) Killed in action; (2) wounded, died subsequently; and (3) died as prisoner of war.

Ac
Ac

Ac
Ar
Ar
A

A
A

A
A

A
A

;
c
a
a

INDEX

	Page		Page
Acute. (<i>See</i> under main title of condition)		Cerebrospinal fever, meningococcic:	
Admission rate:		Fatalities.....	43
Explanation of.....	5	Incidence.....	42
To sick list and to hospitals.....	9	World War I, comparison with.....	42
Admission, methods of.....	5	Chancroid.....	52
Amblyopia.....	40	Chronic. (<i>See</i> under main title of condition)	
Amebiasis. (<i>See</i> Dysentery)		Circulatory system, diseases of.....	30
Amputees:		Communicable diseases (<i>see also</i> Other diseases of in-	
Cause of violence.....	63	fectious type):	
Place of original admission.....	63	Transmissible by insects and other arthropods. . .	48
Type of amputation.....	63	Transmissible by intestinal discharges.....	45
Type of service.....	63	Transmissible by oral and nasal discharges.....	40
Anemia, secondary and other types.....	29	Communicable diseases transmissible by insects and	
Anesthesia:		arthropods.....	48
In herniotomy.....	61	Communicable diseases transmissible by intestinal	
Appendectomy.....	32	discharges.....	45
Appendicitis, acute:		Communicable diseases transmissible by oral and nasal	
Appendectomy.....	32	discharges.....	40
Arsenic and arsenicals, poisonings.....	74	Conjunctivitis.....	39
Arthritis, chronic:		Convalescent leave.....	62
Age distribution.....	57	Coronary artery, thrombosis.....	30
Incidence.....	57	Data, explanation of (<i>see also</i> Definition of terms)	28
Type of service.....	57	Deafness:	
Asthma.....	60	Bilateral.....	37
Bacillary dysentery (<i>see also</i> Diarrhea, chronic)		Unilateral.....	37
Benign tumors.....	68	Deaths. (<i>See</i> Mortality)	
Blindness.....	39	Definition of terms:	
Blood, diseases of.....	29	Casualty, enemy action data.....	75
Brain conditions.....	58	Diseases and noncombat injury data.....	5
Burns:		Dengue.....	48
Fatalities.....	73	Dental diseases and conditions.....	71
World War I, comparison with.....	73	Dependents. (<i>See</i> Supernumeraries)	
Casualties due to enemy action:		Dermatitis.....	60
Average age.....	80	Dermatophytosis.....	65
Battle of Okinawa.....	84	Diabetes mellitus.....	35
Dead.....	77	Diarrhea, chronic (<i>see also</i> Dysentery).....	48
Definition of terms.....	75	Digestive system, diseases of.....	30
Disposition of cases.....	78	Discharges, explanation of.....	28
Length of service.....	80	Diseases of. (<i>See</i> under subject title)	
Pacific area.....	83	Disposition, methods of.....	5
Pearl Harbor.....	84	Ductless glands and spleen, diseases of.....	34
Previous wars, comparison with.....	76	Dysentery (<i>see also</i> Diarrhea, chronic):	
Race.....	85	Amebic.....	45
Selected actions.....	84	Bacillary.....	45
Sick days.....	81	Ear, nose, and throat, diseases of.....	37
Submarine personnel.....	84	Endocrines.....	34
Wounded who died.....	77	Enemy action, casualties.....	75
Causes of death. (<i>See</i> Mortality, explanation of ap-		Epilepsy.....	59
pendix tables)			
Cellulitis.....	52		

	Page
Existed prior to entry, explanation of.....	5
Explanation of data (<i>see also</i> Definition of terms)....	28
Eye and adnexa, diseases of.....	39
Female diseases and conditions.....	69
Filariasis.....	48
Food poisoning.....	52
Fracture, compound.....	72
Fracture, simple.....	72
Fungus infection.....	65
Gastroenteritis, acute (<i>see also</i> Food poisoning).....	31
Genito-urinary system, diseases of.....	40
Goiter.....	35
Gonococcus infection, urethra:	
Complications.....	51
Readmissions.....	51
Sick days, changes in administrative policy, effect on	51
Hemorrhage, brain.....	58
Hepatitis, acute (<i>see also</i> Jaundice, acute infectious)...	48
Herniae:	
Complications and sequelae.....	62
Deaths and invalidings.....	61
Herniotomy.....	61
Inguinal, direct and indirect.....	60
Recurrence.....	62
Herniotomy.....	61
Hodgkin's disease.....	54
Hookworm disease.....	48
Hospitalization.....	6
Hospitals:	
Admission rate.....	9
Admissions.....	9
In operation during World War II.....	14
Patient census.....	13
By location.....	10
Peak for each hospital.....	17
Percent of strength hospitalized.....	17
Sick days.....	9
Hospital ships:	
Patient load.....	10
Hydronephrosis.....	40
Immunization:	
Typhoid.....	46
Tetanus.....	53
Incidence rate.....	5
Infections, acute respiratory.....	40
Infectious mononucleosis.....	29
Inguinal hernia, direct and indirect.....	60
Injuries (noncombat):	
Burns.....	73
Death rate, importance of.....	72
Fractures, simple and compound.....	72
Inoculation. (<i>See</i> Immunization)	
Insects and other arthropods, communicable diseases	
transmissible by.....	48
Intestinal discharges, communicable diseases trans-	
missible by.....	45

	Page
Invalidings from service:	
By diagnostic class.....	17
Casualties, due to enemy action.....	75
EPTE factor.....	17
For mental diseases.....	18
No disease.....	18
Total.....	2
Jaundice, acute infectious (<i>see also</i> Hepatitis, acute):	
Age distribution.....	54
Importance.....	48, 54
Occupational distribution.....	48
Sick days.....	54
Kidney, conditions of.....	40
Leave, convalescent.....	62
Length of service, combat casualties.....	80
Leukemia:	
Acute.....	30
Chronic.....	30
Loss in manpower. (<i>See</i> Noneffectiveness, Hospitaliza-	
tion, and Permanent manpower losses)	
Lymphadenitis.....	54
Lymphangitis.....	54
Lymphatic system, diseases of.....	54
Malaria:	
Incidence.....	48
Readmissions.....	49
Malignant tumors.....	68
Manpower loss. (<i>See</i> Noneffectiveness, Hospitaliza-	
tion, and Permanent manpower losses)	
Mastoidectomy.....	37
Mastoiditis, acute:	
Complications.....	37
Incidence.....	37
Measles.....	41
Mental diseases. (<i>See</i> Mind, diseases of)	
.....	5
Methods of admission.....	5
Methods of disposition.....	5
Mind, diseases of:	
Age and race distribution.....	55
EPTE factor.....	57
Sick days.....	57
Miscellaneous diseases and conditions.....	62
Mobilization, effect of.....	1
Mononucleosis infectious.....	29
Mortality:	
Casualties due to enemy action.....	77
Diseases and noncombat injuries.....	22
By age group.....	22
By diagnostic class.....	22
By race.....	22
By type of service.....	22
Decrease in 1945.....	22
Explanation of appendix tables.....	26
Injuries, importance of.....	21
World War I, comparison with.....	21

	Page		Page
Motor system, diseases of	57	Rates, explanation of:	
Mumps	40	Admission	9
Nephritis	40	Incidence	5
Nervous system, diseases of	58	Noneffective	6
Neuritis	59	Recruits:	
No disease	62	Communicable diseases in	40
Nomenclature, arrangement of	6	Effect on venereal disease rates	50
Noneffectiveness	6	Respiratory infections, acute	40
Noneffective rate:		Respiratory system, diseases of	59
Computation of	6	Retired personnel. (<i>See</i> Supernumeraries).	
Explanation of	6	Rheumatic fever:	
For individual classes	6	Age distribution	53
Type of service	7	Incidence	53
Okinawa, battle of	84	Invalidings	53
Operations. (<i>See</i> Surgery).		Length of service	53
Oral and nasal discharges, communicable diseases trans-		Sick days	53
missible by	40	Schistosomiasis	65
Other diseases of the infectious type	52	Scrub typhus	48
Otitis media:		Secondary anemia	29
Acute	37	Shigellosis. (<i>See</i> Bacillary dysentery).	
Chronic	37	Sick days:	
Pacific area casualties	83	By diagnostic class	7
Paratyphoid fever	46	Hospital	9
Parasitic diseases	65	Per person and per admission	7
Patient census. (<i>See</i> Hospitals).		Sick list:	
Patient loads. (<i>See</i> Hospitals).		Admission rate (<i>see also</i> Sick days)	9
Pearl Harbor, casualties due to enemy action	84	Sinusitis	38
Peptic ulcer	32	Skin, hair, and nails, diseases of	60
Peritonitis, acute	34	Smallpox	45
Permanent manpower losses:		Stay on sick list. (<i>See</i> Sick days).	
Casualties due to enemy action	81	Strength, Navy and Marine Corps	2
Diseases and noncombat injuries	17	Sulfonamide poisoning	74
Personality disorders	56	Supernumeraries:	
Personnel, Navy and Marine Corps	2	Distribution of patients by location	17
Pneumonia:		Hospitalization	17
Broncho	43	Surgery:	
Lobar	43	Appendectomy	32
Primary atypical	43	Herniotomy	61
Pneumonitis, acute (<i>see also</i> Pneumonia)	60	Mastoidectomy	37
Poisonings:		Symbols, definition of:	
Food	52	Methods of admission	5
Therapeutic	74	Methods of disposition	5
Arsenic and arsenicals	74	Zero, leader, 0.0	6
Sulfonamide	74	Syphilis	52
Poliomyelitis, acute anterior	44	Terms, definition of. (<i>See</i> Definition of terms)	
Previous wars, comparison of casualty data	76	Tetanus:	
Prisoners of war	75	Deaths	53
Prophylaxis. (<i>See</i> Immunization)		Immunizations	53
Psychoneuroses	56, 57	World War I, comparison with	53
Psychopathic personality	57	Thrombosis of coronary artery	30
Psychoses	57	Titles, arrangement of	6
Racial differences in data:		Training stations:	
Casualties due to enemy action	85	Communicable diseases at	40
Mind, diseases of	56	"Tropical" diseases	48
Mortality	22	Tsutsugamushi disease	48
Tuberculosis	50		

	Page		Page
Tuberculosis:		Typhus fever.....	48
Age factor.....	50	Ulcer, peptic.....	32
Change in diagnosis.....	49	Veins, diseases of.....	30
Deaths.....	49	Venereal disease:	
EPTE's.....	50	Chancroid.....	52
Fatality rate.....	49	Gonococcus infection, urethra.....	51
Invalidings.....	49	Recruits, effect on rates.....	50
Photofluoroscopic examination, effect of.....	50	Sick days.....	51
Race factor.....	50	Syphilis.....	52
Readmissions.....	49	World War I, comparison with.....	51
Sick days.....	50	Veterans' Administration beneficiaries. (<i>See</i> Super-numeraries)	
Tumors:		World War I data, comparison with:	
Age factor.....	68	Burns.....	73
Benign.....	68	Casualties due to enemy action.....	76
Malignant.....	68	Cerebrospinal fever, meningococcic.....	42
Types.....	69	Incidence.....	2
Typhoid fever:		Mortality.....	2
Incidence.....	46	Tetanus.....	53
Prophylaxis.....	46	Venereal diseases.....	51

17/21/55

